6th EuCornea Congress

BARCELONA

4–5 September 2015

Programme
7th EuCornea Congress

COPENHAGEN 2016

9–10 September
Bella Center, Copenhagen, Denmark

www.eucornea.org
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EuCornea Board

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François Malecaze  FRANCE

Immediate Past President
José Güell  SPAIN

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Vincenzo Sarnicola  ITALY
Theo Seiler  SWITZERLAND
Marie-José Tassignon  BELGIUM
Gabriel van Rij  THE NETHERLANDS
Dear Colleagues,

On behalf of the Board and Officers of EuCornea, it is my great pleasure to welcome you to the 6th EuCornea Congress here in Barcelona, Spain.

EuCornea is delighted to be partnering its annual meeting in Barcelona with the ESCRS, WSPOS and the ICOI, creating a unique opportunity for delegates to benefit from four excellent scientific programmes, establishing an educational hub in the Fira Barcelona Gran Via over the coming days.

This collaboration has resulted in a joint symposium with ESCRS on ‘Cataract Surgery in Ocular Surface Disease’ in addition to a joint symposium with WSPOS on ‘Paediatrics & Cornea’, both of which will take place on Saturday.

The 6th EuCornea Congress promises to deliver an excellent programme, which includes world leaders in the field of cornea and ocular surface disease. The programme will this year include five main symposia, seven focus sessions, four courses and six free paper sessions.

This year EuCornea is honoured to invite John Dart to present this year’s Medal Lecture 2015, entitled ‘Cicatrising conjunctivitis update: translating research into effective therapies’. This will take place during the Opening Ceremony on Friday 4th September at 16.00.

Finally I would like to thank all organisers and speakers for their invaluable role in creating such a high calibre scientific programme for the 6th Congress.

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

François Malecaze
President, EuCornea
## Friday 4 September

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<td>FREE PAPER 1 Dry Eyes</td>
<td>FREE PAPER 2 Endothelial Keratoplasty</td>
<td>FREE PAPER 3 Recent Developments in Cornea</td>
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<td>09.00</td>
<td>Focus Session 1 Dry Eye Diagnosis &amp; Management</td>
<td>Focus Session 2 Anterior Lamellar Keratoplasty</td>
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<td>B. Cochener FRANCE &amp; J. Duran SPAIN</td>
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<td>Focus Session 4 Corneal Complications in Refractive Surgeries</td>
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<td>T. Fuchsleger GERMANY &amp; H. Dua UK</td>
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<td>Main Symposium 1 Cross Linking 2015</td>
<td>Skill Transfer Course 1 Corneal Suturing</td>
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<td>D. Epstein SWITZERLAND, F. Malecaze FRANCE &amp; T. Seiler SWITZERLAND</td>
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<td>Main Symposium 2 Expert Presentation of Challenging Cases</td>
<td>Skill Transfer Course 2 Case Complication in Lamellar Cornea Surgery</td>
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<td>S. Hannush USA, B. Allan UK &amp; H. Dua UK</td>
<td>J. Guedel SPAIN &amp; R. Nuijts THE NETHERLANDS</td>
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## Saturday 5 September

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<td>08.00</td>
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<td>FREE PAPER 5 Endothelium</td>
<td>FREE PAPER 6 Cross-linking</td>
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<td>09.00</td>
<td>Focus Session 5 Keratoprosthesis</td>
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<td>J. De La Cruz USA &amp; C. Liu UK</td>
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<td>Joint Symposium 3 with WSPOS Paediatrics &amp; Cornea</td>
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<td>B. Cochener FRANCE (EuCornea) &amp; D. Bremond-Gignac FRANCE (WSPOS)</td>
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<td>Joint Symposium 4 with ESCRCS Cataract Surgery in Ocular Surface Disease</td>
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<td>M. Basini ITALY (ESCRS) &amp; J. Guedel SPAIN (EuCornea)</td>
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<td>Joint Symposium 5 Posterior Lamellar Keratoplasty</td>
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<td>J. Guedel SPAIN, F. Price USA &amp; S. Shimmura JAPAN</td>
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<td>Instructional Course 1 Diagnostic Techniques</td>
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<td>J. Merago SPAIN &amp; L. Módis HUNGARY</td>
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OPENING CEREMONY

Friday 4 September
Room 1
16.00 – 17.00

16.00  F. Malecaze  FRANCE, PRESIDENT, EUCORNEA
       Introduction and Welcome Address

16.05  J. Güell  SPAIN,
       IMI. INSTITUTO MICROCIURUGIA OCULAR CORNEA AND
       REFRACTIVE SURGERY DEPARTMENT DIRECTOR
       AUTONOMA UNIVERSITY OF BARCELONA

16.10  J. Dart  UK
       EuCornea Medal Lecture

16.40  F. Malecaze  FRANCE
       Presentation of EuCornea Medal

16.45  F. Malecaze  FRANCE
       Best Poster Award

16.50  H. Dua  UK
       Launch of J. EuCornea

17.00  Closing Remarks

EuCornea Medal Lecture

Cicatrising Conjunctivitis Update:
Translating Research into Effective Therapies

John Dart  UK

John Dart has been a Consultant Ophthalmologist, specialising in Corneal & External Diseases at Moorfields Eye Hospital since 1989, and an Hon. Professor at the UCL Institute of Ophthalmology since 2011. His research has focused on the understanding of microbial keratitis, with a special interest in contact lens related and Acanthamoeba Keratitis. He has also pioneered the use of immunosuppressive therapies for severe anterior segment inflammatory disease, and leads research into scarring conjunctivitis. This work has lead to 260 publications; including over 200 peer reviewed publications and the awarding of individual grants, as PI or collaborator, of over £4.5m.
Friday 4 September

Room 1
08.00 – 09.00
Free Paper Session 1

Dry Eyes

Moderators: S. Doan FRANCE J. Duran SPAIN

08.00 A. Cassan, L. Omiel, B. Cochener FRANCE
Meibomian gland dysfunction (MGD) and cataract surgery

08.06 O. Richoz, J. Moore, T. Moore, E. Pazo, A. Sharma, N. Sharma UK
‘Eyepiece’ is an effective new ‘massaging tool’ for treatment of evaporative dry eye due to obstructive meibomian gland disease

Changes of tear film and tear secretion after phacoemulsification and manual incision cataract surgery (SICS)

08.18 S. Tomar, E. Ramawat INDIA
Simple limbal epithelial transplantation in limbal stem cell deficiency: novel technique with varied indications

08.24 E. Pedrotti, M. Passilongo, E. Bruni, G. Marchini ITALY
Epithelization patterns in eyes transplanted with limbal stem cells grafts

08.30 B. Cantilena, G. Pellegrini, P. Rama, P. Guatelli, M. De Luca ITALY
Holoclar manufacturing process guarantees the release of epithelial sheets containing viable limbal stem cells to maximize clinical outcomes

08.36 M. Gonzalez-Andrades, A. Cruzat, J. Mauris, L. Alonso-Pastor, C. Dohlman, P. Argueso USA
Wound healing on cultured stratified human corneal epithelial cells: a new in vitro model for the evaluation of ocular surface drug effects

08.42 O. Buznyk, M. Islam, S. Iakymenko, N. PasYechnikova, M. Griffith UKRAINE
Collagen-phosphorylcholine bioengineered cornea for high risk keratoplasty: early observational first-in-human clinical results

08.48 Discussion

09.00 End of Session

Room 2
08.00 – 09.00
Free Paper Session 2

Endothelial Keratoplasty

Moderators: M. Muraine FRANCE A. Villarrubia SPAIN

08.00 J. Cabreroz SPAIN
New specific instruments for graft harvesting in Descemet membrane endothelial keratoplasty

08.06 R. Quilendrino, L. Baydoun, C. Monnereau, M. Bruinsma, L. Ham, S. Oellerich, G. Melles THE NETHERLANDS
Endothelial cell changes as an indicator for upcoming allograft rejection following Descemet membrane endothelial keratoplasty

08.12 F. Price Jr., M. Feng, M. Price USA
Does donor diabetes affect tissue loss, graft survival and endothelial cell loss with DMEK?

08.18 M. Bhogal, B. Allan UK
Evaluation of endothelial viability in DMEK grafts performed at an individual cell level

08.24 H. Reinshagen, H. Gerding SWITZERLAND
Intracameral octafluoropropane endotamponade after Descemet membrane endothelial keratoplasty (DMEK)

08.30 M. Muraine, E. Letesson, D. Toubeau, F. Chaventre, S. Lefebvre, J. Gueudry FRANCE
Inverted DMEK (Descemet’s membrane endothelial keratoplasty): a new solution for preparing endothelial graft and grafting in patients with endothelial pathologies

08.36 S. Patel, K. Wacker, J. McLaren, L. Maguire, K. Baratz USA
Descemet stripping endothelial keratoplasty for Fuchs endothelial dystrophy: 5 year results of a prospective study

08.42 M. Price, F. Price Jr., M. Feng USA
Descemet membrane endothelial keratoplasty 5 year survival and causes of graft failure

08.48 R. Cobian, P. Sauvageot, J. Alvarez de Toledo, M. de la Paz SPAIN
Crescentic lamellar keratoplasty in pellucid marginal degeneration: surgical technique and preliminary results

08.54 J. van der Hoek, E. Herz UK
DALK and PKP in a remote eye clinic in Cameroon

09.00 End of Session
Room 3

08.00 – 09.00

Free Paper Session 3

Recent Developments in Cornea

Moderators: T. Fuchsluger GERMANY
G. Kymionis GREECE

08.00 J. Holopainen, A. Robciuc, R. Arvola FINLAND
Matrix regeneration therapy: RGTA in-vitro wound healing assessment

08.06 E. Ghazaryan ARMENIA
Effect of transplanted mesenchymal stem cells on corneal neovascularization: comparison of different application routes

Mesothelial cells: a cellular surrogate for tissue engineering of corneal endothelium

08.18 D. Ma, H. Chen, K. Ma, J. Lai TAIWAN
Preservation of human limbal epithelial progenitor cells on the basement membrane of cross-linked amniotic membrane via integrin-linked Kinase-mediated Wnt activation

08.24 A. Hammer, S. Kling, M. Boldi, O. Richoz, D. Tabibian, F. Hafezi SWITZERLAND
Establishing corneal cross-linking in mice: biomechanical analysis

08.30 B. Byström, F. Jonsson, P. Danielson, I. Golovleva SWEDEN
Bothnia corneal dystrophy: mutation in collagen type XVII (COL17A): a novel cause of epithelial recurrent erosion dystrophy (ERED) in northern Sweden

08.36 J. Moore, D. Courtney, A. Nesbit, S. Atkinson, E. Maurizi, T. Moore UK
Developing mutant allele-specific CRISPR/Cas9 gene editing for dominant-negative genetic eye disease

08.42 D. Koch, E. Barragan, A. Chayet, A. Lang USA
Mechanism of action and clinical implications of profocal cornea created by transparent hydrogel corneal inlay

08.48 Discussion

09.00 End of Session

Room 1

09.00 – 10.30

Focus Session 1

Dry Eye Diagnosis & Management

Moderators: B. Cochener FRANCE
J. Duran SPAIN

09.00 J. Benítez del Castille Sánchez SPAIN
Inflammation and dry eye

09.12 M. Rolando ITALY
The importance of tear clearance in the ocular surface health

09.24 F. Grus GERMANY
New biomarkers

09.36 B. Cochener FRANCE
New exploration

09.42 M. Nubile ITALY
In-vivo confocal microscopy in limbal stem cell deficiency

09.48 S. Doan FRANCE
Advances in dry eye treatment

10.00 L. Schmettrer AUSTRIA
Changes in tear film thickness after administration of topical lubricants in dry eye patients

10.06 M.Y. Sayed Saif EGYPT
Effect of hormonal contraception on eye dryness

10.12 Discussion

10.30 End of session
Friday 4 September

Room 2

09.00 – 10.30
Focus Session 2

Anterior Lamellar Keratoplasty

Moderators:  L. Fontana ITALY  
             J. Hjortdal DENMARK

09.00  S. Hannush USA  
       DALK as alternative to PK for keratoconus: evidence from the literature

09.12  H. Dua UK  
       The relevance of graft-host interface on the visual outcomes after DALK

09.24  D. Tan USA  
       DALK after DSEK

09.36  S. Yoo USA  
       Present and future role of femtosecond technology for ALK

09.48  R. Cobian SPAIN  
       Crescentic lamellar keratoplasty in pellucid marginal degeneration: Surgical technique and preliminary results

09.54  J. van der Hoek UK  
       DALK and PKP in a remote eye clinic in Cameroon

10.00  M. Busin ITALY  
       Microkeratome-assisted ALK for superficial and mid-stromal opacities

10.14  Discussion

10.30  End of session

Room 1

11.00 – 12.30
Focus Session 3

Recent Developments in Cornea

Moderators:  H. Dua UK  
             T. Fuchsluger GERMANY

11.00  F. Hafezi SWITZERLAND  
       Corneal cross-linking (PACK-CXL) as a first line treatment for small ulcers: first results of the Swiss prospective randomized multicenter trial

11.10  D.G. Said EGYPT  
       Collagen cross-linking as treatment for infectious keratitis

11.20  H. Dua UK  
       Pre-Descemet's endothelial keratoplasty

11.30  J. Hjortdal DENMARK  
       Arhus: Functional testing of diseased and grafted corneal endothelium

11.40  T. Fuchsluger GERMANY  
       Endothelial keratoplasty: Update from lab and clinic

11.50  S. Kinoshita JAPAN  
       Cell therapy for bullous keratopathy

12.00  L. Mastropasqua ITALY  
       Interferometric polarimetry for the analysis of the corneal stroma

12.10  Discussion

12.30  End of session
Room 2
11.00 – 12.30
Focus Session 4
in conjunction with Pancornea

Cornea Complication in Refractive Surgeries

Moderators:  G. Kymionis GREECE
            J.A. Pereira Goméz BRAZIL

11.00  R. Ambrosio BRAZIL
       LASIK: Doc, my eyes got dry

11.10  J.L. Alió SPAIN
       Unexpected astigmatism after astigmatic refractive surgery

11.20  B. Cochener FRANCE
       Mytomicin and corneal nightmares

11.30  B. Randleman USA
       Post-refractive corneal ectasia

11.40  F. Hafezi SWITZERLAND
       LASIK Recurrent-recurrent epithelial ingrowth

11.50  A.J. Kanellopoulos GREECE
       PRK-Cross-linking got too hard

12.00  J.S. Mehta SINGAPORE
       SMILE or FROWN

12.10  S. Yoo USA
       My flap got in infiltrate

12.20  Discussion

12.30  End of session

Room 1
14.00 – 15.30
Main Symposium 1

Cross Linking 2015

Moderators:  D. Epstein SWITZERLAND
            F. Malecaze FRANCE
            T. Seiler SWITZERLAND

14.00  W. Dupps USA
       Biomechanics of the cross-linked cornea

14.15  F. Raiskup GERMANY
       Long-term results

14.30  F. Malecaze FRANCE
       Epi on vs. epi off CXL

14.45  T. Seiler SWITZERLAND
       Complications of CXL

15.00  B. Früh SWITZERLAND
       Demarkation line and clinical results

15.15  G. Kymionis GREECE
       CXL combined with refractive procedures

15.30  End of session
Friday 4 September

Room 2

14.00 – 15.30
Skill Transfer Course 1

Corneal Suturing

Moderator: H. Dua UK
Presenters: R. Jayaswal UK
D.G. Said EGYPT

Course Focus:
Suture materials: threads and needles
Suturing corneal lacerations
Suturing in penetrating keratoplasty
Suturing in deep anterior lamellar keratoplasty
Miscellaneous: Suturing of phaco burns; compression sutures, cataract and endothelial keratoplasty incisions when needed
Suture related complications and their management

Room 1

17.00 – 18.30
Main Symposium 2

Expert Presentation of Challenging Cases

Moderators: B. Allan UK
H. Dua UK
S. Hannush USA

17.00 F. Hafezi SWITZERLAND
Collagen cross-linking in paediatric keratoconus

17.09 D.G. Said EGYPT
Melanocytic conjunctival lesion

17.18 D. Tan SINGAPORE
DALK after DSEK with residual stromal scar

17.27 G. Zaidman USA
Nocardia keratitis: diagnosis and management

17.36 R. Nuijts THE NETHERLANDS
Epithelial downgrowth after phakic IOL implantation

17.45 T. Katamish EGYPT
DALK: When the big bubble collapses

17.54 J. Güell SPAIN
Endothelial keratoplasty (DMEK) nightmare

18.03 J. Hjortdal DENMARK
Iris/anterior chamber epithelial inclusion cyst

18.12 B. Cochener FRANCE
Anterior lamellar keratoplasty: a forgotten therapeutic modality?

18.21 Discussion
18.30 End of session
**Friday 4 September**

**Room 2**

17.00 – 18.30

Skill Transfer Course 2

**Case Complications in Lamellar Cornea Surgery**

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

17.00  C. Cursiefen **GERMANY**  
IOP rise and cystoid macular edema

17.12  J. Hjortdal **DENMARK**  
Irregular astigmatism after superficial anterior keratoplasty

17.24  A. Sabala **SPAIN**  
Triple anterior chamber following anterior lamellar keratoplasty (DALK)

17.36  A. Villarrubia **SPAIN**  
DALK small bubble technique assisted with femtosecond laser to avoid the extreme likelihood of breaking Descemet membrane at the junction between the donor and host cornea

17.48  A. Kobayashi **JAPAN**  
DMEK for shallow chamber

18.00  N. Maeda **JAPAN**  
Interface infection following selective lamellar keratoplasty

18.12  Discussion

18.30  End of session

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**Room 1**

08.00 – 09.00

Free Paper Session 4

**Keratoprosthesis**

**Moderators:** J. Echevarria **SPAIN**  
C. Liu **UK**

08.00  E. Duignan, S. Ni Dhubhghaill, C. Malone, W. Power **IRELAND**  
Long-term visual acuity, retention and complications observed with the type I and type II Boston keratoprosthesis in an Irish population

08.06  M. de la Paz, J. Alvarez de Toledo, R. Barraquer, R. Michael, O. Seyeddain, G. Grabner **SPAIN**  
Boston KPro in high risk cases

08.12  B. Salvador-Culla, P. Kolovou, L. Arzeno, S. Martinez, C. Dohlman, M. Lopez **USA**  
Anatomical and visual outcomes after Boston keratoprosthesis type 1 in chemical burns

08.18  J. Aquavella **USA**  
Infant keratoprosthesis

08.24  A. Abdelghany, J.L. Alió **SPAIN**  
Keraklear keratoprosthesis: 2 year follow-up

08.30  V. Avadhanam, K. Sahota, S. El-Zahab, C. Liu **UK**  
Laminar resorption in osteo-odonto (OOKP) and tibial keratoprostheses (OKP)

08.36  V. Avadhanam, G. Ingavle, C. Liu, S. Sandeman **UK**  
An engineered hydrogel-based double network composite for synthetic osteo-odonto-keratoprosthesis skirt

08.42  A. Crnej **USA**  
Cytokine inhibitors protect posterior segment of the eye after m-KPro implantation: an animal study

08.48  Discussion

09.00  End of session

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**Saturday 5 September**

**Room 1**

08.00 – 09.00

Free Paper Session 4

**Keratoprosthesis**

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08.48  Discussion

09.00  End of session
Saturday 5 September

**Room 2**

08.00 – 09.00

Free Paper Session 5

**Endothelium**

**Moderators:** F. Kruse _GERMANY_, T. Sabala _SPAIN_

08.00 **P. Studeny, D. Krizova, P. Kuchynka _CZECH REPUBLIC_**
Evaluation of factors influencing big bubble creation in donor corneas

08.06 **J. Quadrado Gil, A. Rosa, E. Costa, C. Tavares, M. Quadrado, J. Murta _PORTUGAL_**
The effect of donor age on endothelial keratoplasty: Descemet stripping automated endothelial keratoplasty (DSEAK) compared with penetrating keratoplasty

08.12 **V. Maduro, N. Alves, N. Silva, J. Feijao, C. Batalha, P. Candelaria _PORTUGAL_**
Corneal visual rehabilitation in patients with phakic IOL related endothelial decompensation: clinical outcomes

08.18 **K. Termote, H. Meadows, V. White, M. McCarthy, S. Holland _BELGIUM_**
Illustration of tissue harvesting for pre-Descemet’s endothelial keratoplasty: pearls and pitfalls learned from a series of ex-vivo pneumodissections

08.24 **P. Chua, V. Shankar, A. Reddy _UK_**
Cellulose spears to dry donor corneal tissue in the preparation of ultrathin endothelial keratoplasty: correlation between duration of drying and residual corneal thickness

08.30 **A. Duncombe, P. Rossi, D. Toubeau, J. Gueudry, M. Muraine _FRANCE_**
Inverted ultrathin DSEK (Descemet stripping endothelial keratoplasty): comparison with DSAEK (automated Descemet stripping endothelial keratoplasty) in Fuchs dystrophy: a prospective study

08.36 **M. Hovlykke, A. Ivarsen, J. Hjortdal _DENMARK_**
Venting incisions impact on astigmatism, aberrations, visual acuity and graft detachment in Descemet stripping automated keratoplasty (DSEAK) for Fuch’s endothelial dystrophy

08.42 **E. Mrukwa-Kominek, R. Kinasz, M. Nowak, M. Swoboda, E. Mielniczuk, S. Sapeta _POLAND_**
Ocular surface in patients treated with anti-glaucoma medication

08.48 **Discussion**

09.00 **End of session**

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**Room 3**

08.00 – 09.00

Free Paper Session 6

**Cross-Linking**

**Moderators:** F. Malecaze _FRANCE_, L. Mastropasqua _ITALY_

08.00 **V. Borderie, F. Andreiuiolo, K. Grieve, C. Georgeon, M. Pacques _FRANCE_**
Features of keratoconic corneal anatomy observed with multiple imaging modalities and histology

08.06 **K. van Dijk, V. Liarakos, J. Parker, L. Ham, J. Lie, E. Groeneveld-van Beek, G. Melles _THE NETHERLANDS_**
Bowman layer transplantation to reduce and stabilize progressive, advanced keratoconus

08.12 **D. Tabibian, S. Kling, F. Hafezi _SWITZERLAND_**
No additional biomechanical effect of CXL after repeated in vivo treatment in mice

08.18 **S. Kling, A. Hammer, D. Tabibian, O. Richoz, A. Agarwal, S. Jacob, F. Hafezi _SWITZERLAND_**
Biomechanical efficacy of UV cross-linking protocols in thin versus thick corneas

08.24 **J. Brekelmans, A. Goz, A. Brandis, Y. Salomon, A. Marcovich, R. Nuijts, A. Scherz _THE NETHERLANDS_**
Ultrafast corneal stiffening by WST11-D and near infra red (NIR) illumination: 1, 5, or 30 minutes?

08.30 **J.T. Lin _TAIWAN_**
A new theory for the dynamic safety dose and efficacy of UV corneal collagen cross-linking

08.36 **S. Rachapalle Reddi, P. Padmanabhan _INDIA_**
Long-term results of collagen cross-linking (CXL) for progressive keratoconus in paediatric age group

08.42 **P. Padmanabhan, S. Rachapalle Reddi _INDIA_**
Corneal collagen cross-linking (CXL) comparison of response in paediatric and adult keratoconic patients

08.48 **Discussion**

09.00 **End of session**
Room 1

09.00 – 10.30
Focus Session 5

Keratoprosthesis

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

09.00 J. Chodosh USA
KPRO Type II and its latest developments

09.10 J. Echevarria SPAIN
KPRO Type I rescue techniques in salvaging and preventing extrusion or explantation

09.20 C. Liu UK
MOOKP: What have we learned in the last 10 years?

09.30 S. Hannush USA
Learning from the extreme: What I have learned from KPRO that has made me a better corneal surgeon

09.40 M. de la Paz SPAIN
Tibial OOKP; What have we learned and how we can translate that to other KPROs

09.50 M. Soledad Cortina USA
What I know now that I wish I knew when I started; Five new concepts that can improve long-term outcomes in KPRO

10.00 A.J. Kanellopoulos GREECE
KeraKlear non-penetrating artificial cornea: outcomes and novel implantation techniques

10.10 J. de la Cruz USA
Knowledge in numbers; The importance of developing a database of keratoprosthesis outcomes

10.30 End of session

Room 2

09.00 – 10.30
Focus Session 6

Cornea & Ocular Surface in Glaucoma

Moderators: E. Arrondo SPAIN
            A. Labbé FRANCE

09.00 T. Vajaranant USA
Alternative methods for IOP measurement in cornea and ocular surface diseases

09.12 A. Labbé FRANCE
Consequences of ocular surface diseases on glaucoma management

09.24 J. Torras SPAIN
Restoring ocular surface damaged by glaucoma drugs

09.36 V. Borderie FRANCE
Prevalence of post-keratoplasty glaucoma

09.48 E. Arrondo SPAIN
Management of glaucoma associated with corneal grafts

10.00 E. Mrukwa-Kominek POLAND
Ocular surface in patients treated with anti-glaucoma medication

10.06 Discussion

10.30 End of session
Saturday 5 September

Room 1

11.00 – 12.30
Main Symposium 3

EuCornea/WSPOS Symposium

Paediatrics & Cornea

Moderators: B. Cochener FRANCE (EUCORNEA)
D. Bremond-Gignac FRANCE (WSPOS)

11.00  P. Nucci, E. Villani ITALY
In vivo confocal microscopy of the ocular surface

11.15  D. Bremond-Gignac, F. Chiambaretta FRANCE
How to manage ocular surface and keratoplasty in children with aniridia

11.30  J.J. Gicquel FRANCE
Ocular surface burns management in children

11.45  K.K. Nischal USA/UK
Keratoplasty in children

12.00  M. Labetoulle FRANCE
Viral infections in children

12.15  B. Früh SWITZERLAND
Keratoconus in children

12.30  End of session

Room 2

11.00 – 12.30
Focus Session 7

Ocular Surface Reconstruction

Moderators: G. Grabner AUSTRIA
D. Tan SINGAPORE

11.00  S. Shimura JAPAN
Microkeratome assisted PEA

11.12  S. Kinoshita JAPAN
Ocular surface reconstruction in Stevens Johnson syndrome

11.24  J. Chodosh USA
Update on Boston KPro types I and II for ocular surface diseases

11.36  K. Hille GERMANY
Update on OOKP

11.48  S. Kaminski AUSTRIA
Amniotic membrane Tx

12.00  N. Sharma INDIA
Tips for phacoemulsification in ocular surface diseases

12.12  Discussion

12.30  End of session
Room 1
14.00 – 16.00
Main Symposium 4
EuCornea/ESCRS Symposium
Cataract Surgery in Ocular Surface Disease

Moderators: M. Busin ITALY (ESCRS)
            J. Güell SPAIN (EU_CORNEA)

14.00  D. Zadok ISRAEL
       Is meibomian gland dysfunction a risk factor?

14.15  J. Benítez del Castillo Sánchez SPAIN
       Dry eye as a trouble-maker

14.30  Discussion

14.40  F. Kruse GERMANY
       Ocular surgery in the presence of limbal cell dysfunction

14.55  B. Allan UK
       Procedures in the herpetic eye

15.10  Discussion

15.20  S. Bonini ITALY
       Does allergic eye disease influence surgical strategy?

15.35  P. Fagerholm SWEDEN
       Epithelial basement membrane dystrophy: how to avoid problems

15.50  Discussion

16.00  End of session

Room 2
14.00 – 15.30
Instructional Course 1
Diagnostic Techniques

Moderators: J. Merayo SPAIN
            L. Módis HUNGARY

14.00  P. Aragona ITALY
       Laboratory test on the diagnosis of ocular surface disorders

14.12  J. Merayo SPAIN
       Inervation matters? Diagnostic techniques for evaluation of corneal innervation

14.24  M.J. Tassignon BELGIUM
       Pre- and intra-operative anterior segment OCT

14.36  E. Wylegala POLAND
       Topography and tomography of the cornea

14.48  C. Cursiefen GERMANY
       Evaluation of haematic and lymphatic vessels in corneal neovascularization

15.00  L. Módis HUNGARY
       Evaluation of corneal endothelial dysfunction

15.12  Discussion

15.30  End of session
6th EuCornea Congress
BARCELONA

Saturday 5 September

Room 1

16.00 – 17.30
Main Symposium 5
in association with the Asia Cornea Society

Posterior Lamellar Keratoplasty

Moderators: J. Güell SPAIN
            F. Price USA
            S. Shimura JAPAN

16.00  F. Kruse GERMANY
       Anatomical considerations for endothelial transplantation

16.14  M. Price USA
       Comparing PK with DSAEK and DMEK: midterm results concerning endothelial cells and rejection

16.28  N. Okumura JAPAN
       How to make cornea endothelial cells

16.42  S. Kinoshita JAPAN
       The future of endothelial transplantation - do we need grafts?

16.56  K. Nishida JAPAN
       Development of corneal endothelial keratoplasty from DSAEK to regenerative medicine

17.10  M. Morral, E. Segovia SPAIN
       Descemet membrane endothelial keratoplasty in failed penetrating keratoplasty grafts

17.16  Discussion

17.30  End of session

Room 2

16.00 – 17.30
Instructional Course 2
in conjunction with the EEBA

Stem Cells Therapy

Moderators: V. Borderie FRANCE
            J. Hjortdal DENMARK

16.00  F. Majo SWITZERLAND
       Normal and abnormal differentiation of the ocular surface epithelia

16.18  V. Borderie FRANCE
       The mammalian limbal stem cell niche

16.36  P. Rama ITALY
       Rational assessment of the ocular surface condition to determine the best therapeutic strategy in regenerative medicine

16.54  H. Dua UK, M. Nubile ITALY
       Therapeutic options in limbal deficiency

17.12  F. Figueiredo UK
       Stem cell transplantation in bilateral limbal deficiency

17.30  End of session
Shortlisted Posters

Friday 4 September
11.00 – 12.00
Presented Poster Session 1
Poster Village: Pod 2

11.00 M. El-Bahrawy SPAIN
Topical 100% autologous eye platelet-rich plasma as the only treatment of persistent corneal ulcer

11.10 M. El-Bahrawy SPAIN
Topical 100% autologous eye platelet-rich plasma as the only treatment of post-surgical epithelial defects

11.20 N. Bouheraoua FRANCE
Decreased corneal sub-basal nerve plexus density, thinned corneal epithelium and diminished corneal sensation as a result of 360 degree laser retinopexy

11.30 G. Drozhzhyna UKRAINE
Therapeutic keratoplasty in the rehabilitation of patients with severe inflammatory corneal disorders

11.40 A. Al Saati SAUDI ARABIA
Long-term outcome of Moorn’s Ulcer in a tertiary eye hospital

11.50 L. Jouve FRANCE
A 18 months follow-up of iontophoresis for corneal collagen cross-linking to treat keratoconus: efficacy, anterior segment optical coherence tomography and confocal microscopy

12.00 End of session

Friday 4 September
14.00 – 15.20
Presented Poster Session 2
Poster Village: Pod 2

14.00 M. Kamel EGYPT
Anatomic and visual outcomes of corneal transplantation during infancy

14.10 M. Kamel EGYPT
Central corneal thickness in children

14.20 M. Labetoulle FRANCE
Evaluating the safety and efficacy of a polyethylene glycol/propylene glycol based lubricant eye drop in patients with dry eye

14.30 A. Plouhinec FRANCE
When scleral contact lenses come to pathologic cornea’s rescue

14.40 M. Ray SINGAPORE
Surgical treatment outcome of medically refractory giant papillary conjunctivitis

14.50 C. Temstet FRANCE
Long-term follow-up of fungal contamination of contact lenses storage cases (2000-2012)

15.00 P. Vetpillai UK
Histological evidence of endothelial cell motility following failed DMEK for Fuchs’ Dystrophy

15.10 M. Ziaei UK
Long-term outcomes of keratolimbal allografts and conjunctival limbal autografts for total limbal stem cell deficiency

15.20 End of session

NEW

Join the presenters of this year’s shortlisted posters at the Poster Village, Pod 2, to discuss their posters
Poster Presentations

Basic Science

P. Beliakouski, M. Pazniak, S. Pazniak, M. Kovchel BELARUS
To research the effectiveness of autologic segments corneal limbus transplantation on manifestation of optic neuropathy and macular degeneration

Inhibition of corneal angiogenesis by diclofenac, ketorolac and etanercept in an animal model

A study on effects of bilberry anthocyanin on form-deprivation myopia in guinea pig and its mechanism

M. Diab, A. Al Amri, A. Samir, S. Eissa, A. Sweallim A. Samir, M. Diab, S. Eissa, A. Al Amri, L. Faraj, M. ElAlfy SAUDI ARABIA
Measurement of corneal hysteresis, corneal resistance factor and intraocular pressure

L. Faraj, A. Yeung, D. Said, M. Branch, M. ElAlfy UK
Posterior corneal anatomy in a newborn baby

Inhibition of corneal neovascularization with different concentrations of ascorbic acid

V. Huerva, I. Caral, J. Soldevila, C. Jurjo SPAIN
Recurrence of amyloid deposition in the graft performed in cases of in lattice corneal dystrophy type 2

D. McCanna, M. Xu, J. Sivak CANADA
Determination of the toxicity of benzalkonium chloride using whole bovine lens culture and human corneal epithelial cells

Inhibition of corneal angiogenesis by ascorbic acid in an animal model

P. Ramos PORTUGAL
Intrapatient comparative post bilateral CXL epithelization study

N. Szentmary, M. Wu, T. Stachon, J. Wang, X. Song, A. Langenbucher, B. Seitz GERMANY
Effect of amniotic membrane suspension and amniotic membrane homogenate on human corneal epithelial cell viability, migration and proliferation in vitro

C. Whitford, C. Boote, K. Meek, A. Elsheikh UK
Numerical assessment of corneal transplant surgery based on changes in microstructure

J. Zhao, H. Deng, L. He, T. Zhu CHINA
Study on the correlation of HLA-DPAl and-DPBl polymorphisms with Posner Schlossman syndrome in Guangdong Chinese Han population

Contact Lenses

A. Cetinkaya, M. Unal, I. Yucel, G. Kocak TURKEY
Toris K contact lens fitting in patients with keratoconus

C. MacGregor, M. Tsatsos, D. Anderson, P. Hossain UK
Does better contact lens hygiene awareness keep the doctor away?

A. Plouhinec, A. Larvor, B. Cochener FRANCE
When scleral contact lenses come to pathologic cornea’s rescue

S. Yahiaoui QATAR
Orthokeratology, is it safe and efficient?

DALK & PK

E. Al Alawi, G. Albayat, H. Alsawad, F. Mukhtar BAHRAIN
Indications and outcome of penetrating keratoplasty among children

N. Alqahtani SAUDI ARABIA
Nawaf’s modified graft over host technique to counter positive posterior pressure (PPP) during penetrating keratoplasty (PKP)

S. Banerjee, T. Chowdhury, A. Mohanta INDIA
Salvaging DALK with micro-bubble in failed “big bubble” cases

A. Canovetti, P. Ferrara, A. Malandrini, F. Rossi, L. Menabuoni ITALY
Anvil-profiled penetrating keratoplasty: load resistance evaluation

A. Hamilton, R. Massera, A. Maloof AUSTRALIA
Influenza vaccination: a cause of rejection in DALK?

A.J. Kanellopoulos, G. Asimillis GREECE
Fourier domain anterior-segment OCT evaluation of DSAEK graft thickness

P. Loriaut, O. Sandali, M. El Sanharawi, I. Goemaere, V. Borderie, L. Laroche FRANCE
A new combined technique of deep intrastromal arcuate keratotomy with in situ keratomileusis (DIAIKIT) for treatment of high post-keratoplasty astigmatism

B. Malyugin RUSSIA
Intraoperative OCT-assisted DALK technique

A. Raghavan, S. Somapalan INDIA
Cataract surgery after therapeutic keratoplasty: what does it herald for the graft?

T. Sabala, A. Arango, N. Romanic SPAIN
Clinical outcomes of big bubble type 2 & 3 in deep anterior lamellar keratoplasty

T. Salvador Playa, E. Pedemonte-Sarrias SPAIN
Stromal graft rejection after dry manual dissection deep anterior lamellar keratoplasty (dry-DALK)
A. Tourkmani, V. Sanchez-Huerta, G. de Wit, J. Martinez, D. Mingo, I. Jimenez-Alfaro, I. Mahillo-Fernandez UK
Weighing of risk factors for penetrating keratoplasty graft failure: a proposal for a modified risk score

P. Vinciguerra, F. Camesasca, S. Trazza, R. Vinciguerra ITALY
Long-term resolution of immunological graft rejection following a dexamethasone intravitreal implant

L. Violante, N. Oliveira, E. Costa, A. Rosa, M. Quadrado, J. Murta PORTUGAL
Outcomes of deep anterior lamellar keratoplasty following successful and failed “big bubble”

E. Wroblewska-Czajka, E. Wylegala, D. Tarnawska, D. Dobrowolski, B. Wowra POLAND
Outcomes of the keratoplasty for corneal perforation

EK & PK
J. Alió del Barrio, M. Ziaeifar, M. Bhogal, B. Allan UK
Femtosecond laser-assisted deep lamellar endothelial keratoplasty: an obsolete technique?

F. Arnalich Montiel, A. Casado, A. Perez Sarregui SPAIN
Corneal edema 24 hours after the surgery may predict DMEK success

A lutein and Brilliant Blue based dye for donor preparation and transplantation in Descemet membrane endothelial keratoplasty (DMEK)

R. Barbara, A. Turnbull, S. Makuloluwe, P. Hossian, D. Anderson UK
Less recognised advantages of secondary DSEK in failed PK

V. Bersudsky, S. Rumeit ISRAEL
A comparison between Descemet stripping automated endothelial keratoplasty (DASEK) and non-DASEK

J. Cabrerizo, J. Garrido, H. Marin SPAIN
Corneal endothelial cell calculation in corneal grafts

E. Casswell, O. Bowes, A. Barsam UK
Endothelial cell loss following needle-push insertion Descemet’s stripping endothelial keratoplasty (DSEK)

N. Cesario Pereira, A. dos Santos Forseto, A. Moriyama, E. Diniz, P. Serapicos, J. Pereira Gomes BRAZIL
Descemet membrane endothelial keratoplasty combined with femtosecond laser sutureless anterior lamellar keratoplasty to treat endothelium dysfunction associated with deep anterior stromal scarring

P. Chiam, V. Romano, V. Ho, A. Choudhary, M. Batterbury, S. Kaye, C. Willoughby UK
Outcome of Descemet stripping automated endothelial keratoplasty in eyes with an Ahmed glaucoma valve

M. Dickman, J. Peeters, M. van Dongen, R. Nuijts THE NETHERLANDS
Penetrating vs. endothelial keratoplasty for the treatment of Fuchs endothelial corneal dystrophy: analysis of the Dutch organ transplantation registry

D. Dobrowolski, K. Krysik, E. Wroblewska-Czajka, E. Wylegala POLAND
Penetrating keratoplasty after keratolimbal allografts

S. Fung, S. Koay, Y. Shweikh, O. Li, J. Theodossiades, S. Shah, M. Wilkins UK
Descemet membrane endothelial keratoplasty (DMEK) for endothelial failure: experience from Moorfields eye hospital, London

Opancmodified Condon technique in a penetrating keratoplasty

Repeat Descemet membrane endothelial keratoplasty (DMEK) for persistent corneal edema due to graft detachment or endothelial failure after previous DMEK: 2 year outcomes

P. Maier, S. Heinzelmann, D. Boehringer, P. Eberwein, T. Reinhard GERMANY
Graft dislocation and graft failure after DMEK using precut tissue

K. Mangundap, J. Lie, E. Groeneveld-van Beek, J. Van der Wees, J. Frank, M. Bruinsma, G. Melles THE NETHERLANDS
Dehydration of corneal anterior donor tissue with polyethylene glycol (PEG) enriched media

V. Mittal, R. Mittal INDIA
Paediatric endothelial keratoplasty: outcome and challenges

V. Mittal, R. Mittal INDIA
Outcome of Descemet’s stripping and endothelial keratoplasty in congenital hereditary endothelial dystrophy (CHED)

S. Mohan, M. Rajan INDIA
Retrospective analysis of management of DM detachment after uneventful cataract surgery

J. Parker, E. Livny, M. van der Kaaij, E. Haasdijk, J. van der Wees, M. Bruinsma, G. Melles THE NETHERLANDS
Post-mortem ultra-structural analysis of a cornea transplanted with Descemet membrane endothelial keratoplasty (DMEK)

P. Ramos, A. Rosa, J. Gil, S. Marques, J. Povoa, M. Quadrado, J. Murta PORTUGAL
Pachymetric progression rate as a new pre-operative parameter in Fuchs’s dystrophy evaluation
Poster Presentations

V. Romano, B. Steger, S. Ahmad, M. Batterbury, C. Willoughby, S. Kaye UK
Corneal thickness graft over time in patients with large and ultrathin endothelial keratoplasty

T. Salvador Playa, V. Vinals-Bosch, I. Sassot Cladera, E. Pedemonte-Sarrias SPAIN
Learning curve in Muraine’s technique for DMEK

T. Salvador Playa, E. Pedemonte-Sarrias SPAIN
SD-OCT in DMEK follow-up

T. Semchysyn USA
Evaluation of the posterior corneal surface and its contribution to intraocular lens selection in the setting of combined endothelial keratoplasty and cataract surgery

Z. Shukur IRAQ
Case report: grade II limbal dermoid surgical correction in 11 month old baby first time in Iraq

T. Stanzel, A. Tiurbe, S. Siebelmann, L. Ersoy, B. Bachmann, C. Cursiefen GERMANY
Rebubbling rate after Descemet membrane endothelial keratoplasty (DMEK) is reduced by using 20% sulfur hexafluoride as anterior chamber tamponade

C. Stoejer, J. Holiman, C. Patzer, Z. Mayko USA
Pan-endothelial cell loss quantification as an adjunct to traditional specular microscopy endothelial cell density calculations in grafts prepared for DMEK

Z. Varga, E. Brugnoli, D. Tabibian, J. Ball, G. Thumann SWITZERLAND
Single pass preparation of donor corneas for Descemet’s stripping automated endothelial keratoplasty (DSAEK) with a new microkeratome

E. Yoeruek, K. Bartz Schmidt GERMANY
Current approaches to combat the shortage of corneal tissues: split-DMEK and double-split-keratoplasty

Imaging

R. Calvo, V. Castro, B. Moratal, L. Hernandez, E. Cervera SPAIN
Cirrus high-definition optical coherence tomography in the management of intrastromal corneal ring segment extrusion

M. Cassagne, S. Michaud, F. Malecaze FRANCE
Interest of OCT in diffuse lamellar keratitis after femtolasik

M. Coppola, F. Solignani ITALY
Using intra-op OCT during Descemet’s stripping automated corneal endothelial transplant

D. Dobrowolski, B. Wowa, E. Wylegala POLAND
Cystinosis: morphologic observations

H. Elsaied, S. Alrawy, H. El Mofty, M. Amr EGYPT
Comparison of central corneal thickness measurement using anterior segment optical coherence tomography, rotating Scheimpflug camera and ultrasound pachymetry in different refractive errors

M. Kamel, A. Al Amri, A. Swalliam, A. Ibrahim, K. Soliman, A. Samir, M. Ramadan EGYPT
Central corneal thickness in children

J. Reddy, P. Bandela, B. Geedla, S. Ramamurthy, P. Vaddavalli INDIA
Spontaneous attachment of detached Descemet’s membrane after cataract surgery

J. Salgado-Borges, A. Perestrelo, A. Diaz-Rey, P. Neves, L. Dias, J. Gonzalez-Meijome PORTUGAL
Effect of fenylefrina instilation on pentacam and corvis parameters

Influence of the menstrual cycle on corneal morphometry and corneal biomechanics

S. Sapeta, E. Mrukwa-Kominek POLAND
Corneal nerves morphology in glaucoma patients after laser peripheral iridotomy in confocal microscope

M. Sarnat Kucharczyk, E. Filipek, S. Kuczkowski, E. Mrukwa-Kominek, E. Porwik POLAND
The use of the optical coherence tomography (OCT) of the anterior segment of the eye in the application of hybrid contact lenses

I. Schmack, I. Voehringer, B. Erber, S. Ballikaya, G. Toszkowski, G. Langstrof, G. Auffarth GERMANY
Determination of corneal endothelial cell densities of organ-cultured eye bank corneas by 2 computer-based image analysis systems

A. Sharma, J. Wawrzynski, J. Than, O. Babalola, K. Emeriewen, M. Lau, B. Sharma UK
Fluorescein filter imaging of corneal staining due to limbal stem cell failure

B. Wowa, D. Dobrowolski, B. Orzechowska-Wylegala, M. Grolik, E. Wroblewska-Czajka, E. Wylegala POLAND
Evaluation of corneal changes in confocal microscopy and Visante OCT in congenital aniridia patients

E. Wylegala, D. Dobrowolski, E. Wroblewska Czajka, A. Nowinska, D. Tarnawska POLAND
Intraoperative anterior segment optical coherent tomography in lamellar keratoplasty
**Infections & Inflammation**

**B. Akova, S. Kivanc, M. Baykara** TURKEY
The outcome of linezolid in vancomycin resistant recurrent keratitis on corneal graft

**A. Al Saati, K. Tabbara, A. Al Rajhi** SAUDI ARABIA
Long-term outcome of Moorn’s ulcer in a tertiary eye care hospital in Riyadh

**A. Al Saati, K. Tabbara, A. Al Rajhi** SAUDI ARABIA
Long-term outcome of Moorn’s ulcer in a tertiary eye care hospital

Early diagnosis and treatment of acanthamoeba keratitis: a case report

**S. Aparicio-Sanchis, S. Iglesias Cerrato, A. Martin Ramirez, D. Domingo** SPAIN
Diagnostic and extraction method of subconjunctival Loo lao: a case report

**S. Aparicio-Sanchis, S. Iglesias Cerrato, A. Martin Ramirez, D. Domingo** SPAIN
Identification and extraction method of subconjunctival Loo lao: a case report

**M. Arino, B. Garcia-Sandoval, I. Jimenez-Alfaro, N. Alejandro** SPAIN
Gonococcal ophthalmia in adults: conjunctivitis, ulcerative keratitis and corneal perforation

**A. Basílio, R. Proença, A. Amaro, C. Batalha, V. Maduro, A. Magrico, J. Feijao** PORTUGAL
Confocal microscopy and unresponsive infectious keratitis

**S. Ch’ng, P. Chiam, V. Savant, J. Prydal** UK
Topical voriconazole in the treatment of acanthamoeba epithelial keratitis

**S. Ch’ng, S. Koo, P. Chiam, V. Savant, J. Prydal** UK
Microbiological culture versus PCR detection rates for acanthamoeba related corneal ulcer

**M. Contreras-Diaz, A. Munoz Morales, B. Balboa, S. Galvez Carvajal, M. Garcia Romero, N. Uzcategui** SPAIN
Recurrent corneal ulcer with hypopyon in a sarcoidosis patient

**M. Dari, A. McElvanney** UK
Management of candida keratitis in a diabetic patient with history of neurotrophic keratopathy and herpetic keratitis

**C. Demasi, E. Pedrotti, M. Passilongo, G. Marchini** ITALY
In-vivo confocal microscopy in diagnosis and follow-up of acanthamoeba keratitis

**G. Drozhzhyna, T. Gaidamaka, O. Ivanovska, V. Ostashevskiy, B. Kogan, V. Usov** UKRAINE
Therapeutic keratoplasty in the rehabilitation of patients with severe inflammatory corneal disorders

**Z. Dzhanaeva, Y. Astakhov, V. Nikolaenko, K. Khripun** RUSSIA
Temporary tectonic keratoplasty with the use of the porous polytetrafluorethylene

**T. Gaidamaka, G. Drozhzhyna, O. Dragomiretska, S. Grechko** UKRAINE
Clinical manifestations and course of the disease in patients with herpetic keratitis undergoing curative keratoplasty

**D. Goldblum, Y. Ruiz, R. Beuschel, J. Fuchs, M. Tschopp** SWITZERLAND
Severe toxic corneal reaction due to contact with palytoxin of a brown encrusting anemone

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R. Barbara, A. Turnbull, S. Makuloluwe, D. Anderson, P. Hossain **UK**
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M. Saif, M. Ahmed, H. El Saftawy, R. Moussa EGYPT
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N. Yesilirmak, P. Chhadva, F. Cabot, S. Yoo USA
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**A. Valero Marcos, J. Fernandez Perez, J. Jimenez Velazquez,**  
**F. Martinez Pena, M. Perez Morales** SPAIN  
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Friday 4 September 07.00 – 18.30
Saturday 5 September 07.00 – 18.00

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Friday 4 September 07.00 – 18.30
Saturday 5 September 07.00 – 18.00
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Friday 4 September 09.00 – 18.00
Saturday 5 September 09.00 – 18.00

Annual General Meeting
Room 2
Saturday 5 September 10.30 – 11.00
Open to EuCornea members only

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Room 8.18, Hall 8, Level 1
Sunday 6 September 09.00 – 15.00

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Moderators: J. Benítez del Castillo Sánchez SPAIN
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- Now able to replace diseased corneal tissue from 200 to 700 microns deep
- Can be implanted in corneas with a thickness between 300 and 800 microns
- Can be used for treatment of corneal scars, limbal stem cell deficiency, corneal dystrophies, failed corneal transplants and keratoconus

A patient had keratoconus, apical scarring and preoperative vision of 20/400. After the KeraKlear™ procedure, uncorrected vision improved to 20/30 on postoperative day 1

To learn more about the KeraKlear XT Artificial Cornea
Visit us at EuCornea
Booth # S111

The KeraKlear has not received U.S. FDA Clearance and may not be used in the U.S.A.