Room 3
08.00 – 09.00
Free Paper Session 3

**Recent Developments in Cornea**

**Moderators:** T. Fuchsluger *Germnay*
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

08.12 F. Soria Arellano, C. Lachaud, N. Escacena, E. Quesada-Hernandez, A. Hmadcha, B. Soria, J.L. Alió *Spain*
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. Courteny, 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. Barrassan, 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 Castillo 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 *Greece*
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. Schmetter *Austria*
Changes in tear film thickness after administration of topical lubricants in dry eye patients

10.06 M.Y. Sayed Salf *Egypt*
Effect of hormonal contraception on eye dryness

10.12 Discussion

10.30 End of session
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. Duai **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**
  Aarhus: 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 Pancorner

Cornea Complication in Refractive Surgeries

Moderators: G. Kymionis GREECE
J.A. Pereira Gomez 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. Cochrane 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
Demarcation line and clinical results

15.15  G. Kymionis GREECE
CXL combined with refractive procedures

15.30  End of session
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
Room 2
08.00 – 09.00
Free Paper Session 5

Endothelium

Moderators: F. Kruse GERMANY
T. Sabala PEN N

08.00 P. Studeny, D. Krizova,
P. Kuchynka CZECH REPUBLIC
Evaluation of factors influencing big bubble
creation in donor corneas

08.06 J. Quadrad Gil, A. Rosa, E. Costa, C. Tavares,
M. Quadrad, J. Murta PORTUGAL
The effect of donor age on endothelial keratoplasty:
Descemet stripping automated endothelial
keratoplasty (DSEA K) 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-Des cement'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. Guedry,
M. Muraine FRANCE
Inverted ultrathin DSEK (Descemet stripping
endothelial keratoplasty): comparison with DSEA K
(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 endothelial
keratoplasty (DSEA K) 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

Room 3
08.00 – 09.00
Free Paper Session 6

Cross-Linking

Moderators: F. Malecaze FRANCE
L. Mastropaqu.s ITALY

08.00 V. Borderie, F. Andreuilo, 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
Ultrastart 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