Programme of the XXII EEBA Meeting
Sitges (Barcelona) Spain

Friday Morning, 22 January 2010

- Technicians program at TSF.
- Board meeting.

Friday Afternoon, 22 January 2010

Opening Ceremony (15:15)
- Welcome of the President
- Welcome of ONT, CLINIC, OCATT, BO-BARRAQUER,
- Welcome of Conselleria

Scientific Session I (15:30-17:00)
Moderators: Dr. Blanca Miranda, Dr. Lisbeth Pels

- Round-table “Kick-off” session
  - Discussion forum: Donor selection questions
    - Dr. John Armitage
    - Dr. Antonio López Navidad
    - Dr. Jesper Hjortdal

Coffee Break

Scientific Session II (17:30-19:00)
Donor selection and screening
Moderators: Dra. Maria Jesus Felix, Dra. Iva Dekaris

17:30 Analysis of the factors influencing sclero-corneal buttons usefulness for transplantation
Iwona Grabska-Liberek, Dorota Polak, Jerzy Szaflik

17:38 Is cornea suitable for transplantation when death to preservation time is more than 14 hours?
Cernak A., Cernak M

17:46 Essential elements of the physical examination in solo cornea donors
Marja J. van Wijk, Caroline van Geyt, Audrey Laven, Hilde Beele, Arlinke G. Bokhorst

17:54 Correlation between the duration of organ culture and the incidence of endothelial immune reactions
P. Maier, D. Bühringer and T. Reinhard, University Eye Hospital Freiburg

18:02 Increasing donations – getting past “why are you calling me?”
Patricia Dahl

18:10 Determination of corneal endothelial cell density in French Eye Banks: second look
Delesalle N, Thuret G, Dubus J, Fleury L, Mouillot L, Gain P

18:18 Serologic selection of cadaveric donor material according to virus B and C hepatitis at the Moscow Eye Bank
Y.i A. Komakh

18:26 Seroreactivity for Hepatitis B Virus, Hepatitis C Virus, Human Immune Deficiency Virus, Human T Cell Lymphoma Virus and Treponema in Iranian Corneal Donors
Mozhgan Rezaei Kanavi MD, Kambiz Bayat Makoo, Azadeh Arayesh, Mohammad Ali Javadi MD.
18:34  Risk analysis of NAT versus serological testing in the australian eye donor population  
Dr. Graeme A. Pollock

18:42  Prevention of corneal endothelial cell loss during storage by anti-apoptotic gene therapy  

18:50  Adrenaline test: a new screening non-invasive method to evaluate donor cornea viability: 20-years experience  
S.A. Borzenok

18:58  Reducing the microbiologic contamination of donor globes by prolongation the diving time and different iodine contents in PVP-solution - SEM examinations of cornea endothelium of pig eyes  
Wilhelm F. (Schwerin), Kramer A. (Greifswald), Bruhns K. (Schwerin), Werschnik C. (Schwerin)

Social event: Welcome reception and cocktail
Saturday 23 January 2010

Business meeting (8:30-9:30)

Scientific Session III (9:30-11:00)
Posterior lamellar surgery
Chairs: Dr. Alfredo Adán, Dr. Rafael I. Barraquer

9.30 Highest guest lecture

Posterior lamellar surgery techniques
Dr. Mark Terry

10:30 Oral Presentations

10:30 Femto DSEK: first trial in human with the Ziemer’s LDV Femtolaser
F. Majo MD PhD and W. Bernau CEO

10:38 Femtosecond laser and microkeratome-assisted DSAEK versus PKP in Fuchs dystrophy and bullous keratopathy
S. Heinzelmann, P. Maier, D. Böhninger, T. Reinhard

10:46 A banking strategy toward customized precut corneal tissues
Yveta Urbanova, Magdalena Netukova, Pavel Kuchynka

10:54 The evaluation of pre-cut corneas prepared in the International Eye Bank of Prague
Magdaléna Netuková, Yveta Urbanová, Josef Šach, Pavel Kuchynka

Coffee Break

Scientific Session IV (11:30-13:30)
Limbal stem cell transplantation
Chairs: Dr. Vincent Borderie, Dr. Gilles Thuret

11:30 Keynote lecture: Techniques for ex vivo expansion of epithelial cells
Dr Ricardo Casaroli-Marano

11:40 Keynote lecture: Clinical results of ex vivo expansion of epithelial cells
Dr. Paolo Rama

12:00 Oral Presentations

12:00 Molecular characterization of ex vivo expanded limbal epithelial stem cells
Meller Da, Thomasen Ha, Pauklin Mb, Theissc C, Steuhl KPa,

12:08 Two-step enzymatic approach for limbic progenitor cells isolation and ex-vivo expansion
Martínez-Conesa E, Agustí E., Vilarrodona A, Otero N, Pérez ML, Miranda B, Trías E, Casaroli-Marano RP.

12:16 Comparison of different feeder layers for ex vivo cultivation of corneal and oral epithelium for corneal surface reconstruction
T. Fuchsluger, S.M. Sharma, R. Dana, U.V. Jurkunas1

12:24 Features of separation and cultivation of limbal stem cells of the eye
Outcomes of ex vivo Expanded Limbal Stem Cell Transplantation in Humans
F.C. Figueiredo, S. Ahmad, M. Lako, S. Kolli

The expression of mesothelin and other mesothelial proteins in the human cornea
Katerina Jirsova and Stanislava Merjava

MMP-2, MMP-9, proMMP-13 and TIMP-1 in Human Cornea
Nataša Drača, Jurica Predović, Tihomir Balog, Tanja Marotti, Maja Bohač, Ivana Romac, Iva Dekaris

Amniotic membrane transplantation in the treatment of persistent epithelial defect on the corneal graft
Maja Pauk, Ivana Mraviči, Ante Barisić, Nataša Drača, Iva Dekaris

Influence of cryopreservation and air drying on amniotic membrane and impact of storage time on cryopreserved amniotic membrane
Thomasen Ha, Pauklin Mb, Noellec, G. Geerlingd, J. Vettere, P. Stevenf, Steuhl KPa, Meller Da

Scientific Session V (15:00-17:00)
Tissue specific donor selection and processing
Chairs: Dr. Ana Fernández, Dr. Christ Stoger

Keynote lecture: Donor selection for lamellar surgery
Dr. Juan Alvarez de Toledo

Keynote lecture: European Good Tissue Practices update
Dr. Esteve Trías

Oral Presentations

Does the improvement of cataract surgery techniques increase the viable corneas for transplant?
Otero N.; Martinez-Conesa E.; Nuñez V.; Pérez M.; Agustí E.; Vilarrodona A.; Savio A.; Fariñas O.; Trias E., Miranda B.; Casaroli-Marano RP.

Diagnosis of photorefractive keratectomy in donated whole globes
Mozhgan Rezaei Kanavi MD. Tahereh Chamani, Mohammad Ali Javadi MD.

Suture related complications after penetrating keratoplasty --- Advocacy for posterior lamellar grafting?
D. Böhringer, R. Sundmacher, T. Reinhard

Donor cornea preparation for femtosecond laser assisted keratoplasty
Bernie Iliakis

Clinical results of femtosecondlaser-assisted penetrating keratoplasty
Reinhard T., Wiggermann A., Böhringer D., Maier P., Birnbaum F.
University Eye Hospital Freiburg, Killianstraße 5, 79106 Freiburg, Germany

Preparation and shipment of endothelial grafts by the eye bank: development and validation
Pipparelli A, Muraine M, Thuret G, Toubeau D, Lefevre S, Piselli, S, Gain P

More efficient use of donor corneas by using Descemet Membrane Endothelial Keratoplasty (DMEK)
Jessica Li , Esther Groeneveld-van Beek, Jacqueline van der Wees, Gerrit Melles.

Optical and confocal microscopic evaluation of endothelial donor rolls for DMEK
Dra Paola Sauvageot, Dr. Ricardo Casaroli, Dra Maria de la Paz, Dr Juan Álvarez de Toledo

Endothelial cell density after Descemet membrane endothelial keratoplasty (DMEK): 1-2 years follow-up
Jacqueline van der Wees, Lisanne Ham, Isabel Dapena, Kyros Moutsouris and Gerrit Melles
16:52  Visual rehabilitation following Descemet membrane endothelial keratoplasty (DMEK)
Lisanne Ham, Isabel Dapena, Kyros Moutsouris, Gerrit Melles.

17:00  Qualitative and quantitative parameters of pre-cut posterior corneal lamellae with stromal rim used for Descemet’s Membrane Endothelial Keratoplasty with a Stromal rim (DMEK-S).
Krabcova I., Jirsova K., Studeny P.

Coffee Break

Scientific Session VI (17:30-19:00)
Workshop session
Chairs: Dr. Diego Ponzin, Dr. John Armitage

• Emerging diseases. Urgent replies. Screening needs.
  Dr. Scott Brubaker
• Implementing the regulation of banking in the EU.
  Dr. Deirdre Fehily.

Closing ceremony

Social dinner
**Bacteriological and fungal contaminations of corneal organ cultures media in French Eye Banks: Results 2008**
Delesalle N, Dubus J, Fleury L, Mouillot L.

**The assessment of pathogenic prions in the brains of eye tissue donors: two years’ experience in the Czech Republic**
Denisa Zlacka, Ivana Krabcova, Barbara Kubesova, Magdalena Netukova, Radoslav Matej, and Katerina Jirsova

**External quality control of cornea organ culture MEDIA: Results 2007-2008**
Delesalle N, Huyghe G, Dubus J, Droulin J, Rapon F, Fleury L, Mouillot L.

**Revitalizing effects in transplant cells of donor cornea in vitro under the influence of homologous cellular peptides**
K.P. Takhchidi, S.A. Borzenok, O.I. Rolik, Y.A. Komakh, O.S. Volkova, E.V. Kovshun, K.D. Tonaeva, A.V. Shipunova

**Effect of traumatic hyphema on endothelial cell indices of donated corneas**
Mozhgan Rezaei Kanavi MD.1, Pejman Fahim2, Fatemeh Movahedpoor2, Atefeh Javadi3, Mohammad Ali Javadi MD.4

**Fatal post-transplant disorders of donor origin following liver and kidneys transplantations**
Beata Rymgayllo-Jankowska, Malgorzata Borawska, Grazyna Ptaszczyńska, Lukasz Harcej, Agnieszka Kudasiewicz-Kardaszewska, Danuta Skomra, Zbigniew Zagorski

**Trichophyton fungal keratitis**
Ivana Mravičić, Nikica Gabrić, Ivana Romac, Maja Bohač, Maja Pauk

**Penetrating keratoplasty and “iris-claw” lens – is it safe for endothelium?**
Ante Barišić, Nikica Gabrić, Iva Dekaris, Ivana Mravičić, Marija Antić,

**How improve the corneal quality?**
Auxenfans C, Sergent M., Venet E., Heloire Ch., Recchia D., Sardin F., Damour O.