

# 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 Consellería

## 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. Böhlinger 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**  
*T. Fuchsluger, U.V. Jurkunas, A. Kazlauskas, R. Dana,*
- 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. Heinzlmann, P. Maier, D. Böhringer, T. Reinhard*

10: 46 **A banking strategy toward customized pre-cut 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**

*K. P. Takhchidi, S.A. Borzenok, K.D. Tonaeva, \*N.A. Oniscenko, Y.A. Komakh, \*M.E. Krashennikov, E.V. Kovshun, O.S. Volkova, O.I. Rolik, A.V. Shipunova*

- 12:32 Outcomes of ex vivo Expanded Limbal Stem Cell Transplantation in Humans**  
*F.C. Figueiredo, S. Ahmad, M. Lako, S. Kolli*
- 12:40 The expression of mesothelin and other mesothelial proteins in the human cornea**  
*Katerina Jirsova and Stanislava Merjava*
- 12:48 MMP-2, MMP-9, proMMP-13 and TIMP-1 in Human Cornea**  
*Nataša Drača, Jurica Predović, Tihomir Balog, Tanja Marotti, Maja Boháč, Ivana Romac, Iva Dekaris*
- 12:56 Amniotic membrane transplantation in the treatment of persistent epithelial defect on the corneal graft**  
*Maja Pauk, Ivana Mravičić, Ante Barišić, Nataša Drača, Iva Dekaris*
- 13:04 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*

- 15:00 Keynote lecture: Donor selection for lamellar surgery**  
*Dr. Juan Alvarez de Toledo*
- 15:20 Keynote lecture: European Good Tissue Practices update**  
*Dr. Esteve Trías*
- 15:40 Oral Presentations**
- 15:40 Does the improvement of cataract surgery techniques increase the viable corneas for transplant?**  
*Otero N.; Martínez-Conesa E.; Nuñez V.; Pérez M.; Agustí E.; Vilarrodona A; Savio A.; Fariñas O.; Trias E., Miranda B.; Casaroli-Marano RP.*
- 15:48 Diagnosis of photorefractive keratectomy in donated whole globes**  
*Mozhgan Rezaei Kanavi MD. Tahereh Chamani, Mohammad Ali Javadi MD.*
- 15:56 Suture related complications after penetrating keratoplasty --- Advocacy for posterior lamellar grafting?**  
*D. Böhringer, R. Sundmacher, T. Reinhard*
- 16:04 Donor cornea preparation for femtosecond laser assisted keratoplasty**  
*Bernie Iliakis*
- 16:12 Clinical results of femtosecond laser-assisted penetrating keratoplasty**  
*Reinhard T., Wiggermann A., Böhringer D., Maier P., Birnbaum F.  
University Eye Hospital Freiburg, Killianstraße 5, 79106 Freiburg, Germany*
- 16:20 Preparation and shipment of endothelial grafts by the eye bank: development and validation**  
*Pipparelli A, Muraine M, Thuret G, Toubreau D, Lefevre S, Piselli, S, Gain P*
- 16:28 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.*
- 16:36 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*
- 16:44 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

# POSTER

## **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 reptides**

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 Plaszczewska, Lukasz Harcej, Agnieszka Kudasiewicz-Kardaszewska, Danuta Skomra, Zbigniew Zagorski

## **Trichophyton fungal keratitis**

Ivana Mravičić, Nikica Gabrić, Ivana Romac, Maja Boháč, Maja Pauk

## **Penetrating keratoplasty and "iris-claw" lens – is it safe for endothelium?**

Ante Barišić, Nikica Gabrić, Iva Dekaris, Ivana Mravičić, Marija Antičić,

## **How improve the corneal quality?**

Auxenfans C, Sergent M., Venet E., Heloire Ch., Recchia D., Sardin F., Damour O.