

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. 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, Lianne 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 Bohač, 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.