

**European Eye Bank Association
XXIII Annual Meeting
Freiburg 21-22 January 2011**

Final Program

Friday 21 January 2011

9.00 - 13.00 Committee Meeting (closed meeting)
12.00 Reception & Registration
13.00 - 14.30 Technicians Session
13.00 - 14.30 Regulation Session
14.30 - 15.00 Registration & Welcome Coffee

15.00 Opening Ceremony

Welcome by T. Reinhard
 President of the German Ophthalmological Society
Welcome by I. Dekaris
 President of the European Eye Bank Association
Announcement of the honorary members

15.30 - 17.00 Scientific Session I Tissue banking organisations

Chairs: T. Reinhard, R. Tönjes

Keynote lecture

Safety management in eye banking
Tönjes R., Paul-Ehrlich-Institute, Langen, Germany

Oral presentations - 6 + 2 minutes each

Foundation of European Tissue Banks
Hetzer R., Director of the Foundation of European Tissue Banks, Berlin, Germany

Bio Implant Services
Van Grevenstein, P., Director of Bio Implant Services, Leiden, Netherlands

The European Association for Tissue Banking (EATB)
Trias E., President of the EATB, Barcelona, Spain

The German Society for Tissue Transplantation
Börgel M., DGFG, Hannover, Germany

Section for Tissue Transplantation and Biotechnology of the German Ophthalmological Society
Reinhard T., President of the German Ophthalmological Society, Freiburg, Germany

New Swiss Model: Keradonum Stiftung Hornhautbank
Reinshagen, H. Keradonum Stiftung Hornhautbank and Augenzentrum Klinik Pallas, Olten, Switzerland

Eye Bank Association of America - Update and future challenges
First Mallin J., Minnesota Lions Eye Bank, St. Paul, United States of America

17.00 - 17.30 Coffee Break

**17.30 - 19.00 Scientific Session II
Eye Banking Techniques**

Chairs: P.Maier, L. Pels

Oral presentations - 6 + 2 minutes each

Postmortal testing of serological parameters for Human Immunodeficiency Virus, Hepatitis B Virus and Hepatitis C Virus up to 48 Hours in infectious cadavers

Wilkemeyer I., University Tissue Bank, Institute of Transfusion Medicine, Charité - Universitätsmedizin Berlin, Berlin, Germany

The availability of cadaver corneas in Sweden may be reduced by over 60% due to the 24-hour limit for post mortal blood sampling

Ek S., Cornea Bank, Göteborg, Sweden

A new screening method for the donor eye bank corneas: the macroscope

Sabatier P., Banque Française des Yeux, Paris, France

Combined chlorhexidine and PVP-I decontamination of human donor eyes prior to corneal preservation

Bruinsma M., Netherlands Institute for Innovative Ocular Surgery and Amnitrans EyeBank, Rotterdam, The Netherlands

Evaluation of current hygiene standards in enucleation of post-mortem eyes for corneal transplantation

Laubichler P., Ludwig-Maximilians-University, Munich, Germany

Use of FD-OCT to elucidate anterior stromal pathology in human donor corneas

Stoeger C., Lions Eye Bank of Oregon, Portland, USA

Eye bank finding of stromal metastasis in clear cornea from skin melanoma in the donor

Campanelli M., Monza Eye Bank, Monza, Italy

Hypothermic versus organ cultured corneas - clinical implication

Pauk M., Eye clinic Svjetlost, Zagreb, Croatia

Influence of donor criteria, age and post mortem time on corneal endothelial cell density. Can we create a quality score?

Redbrake C., Euregio Cornea Bank, Würselen, Germany

European audit of endothelial cell counting methods: first announcement

Thuret G., University Jean Monnet, Saint-Etienne, France

Implementation of a quality management system in an eye bank network

Knipper A., DGFG, Hannover, Germany

19.30 Social Dinner at the "Historisches Kaufhaus" Freiburg

Saturday 22 January 2011

9.00 - 10.45 **Scientific Session III** **Ocular surface - clinical and basic science**

Chairs: H. Dua, D. Meller

Keynote lecture

Modern approaches in ocular surface reconstruction

Dua H., President of the EU Cornea, Nottingham, UK

Oral presentations - 6 + 2 minutes each

The effect of the extracellular environment on the differentiation of corneal epithelial cells

Eberwein P., University Eye Hospital Freiburg, Germany

Anti-apoptotic gene therapy to promote survival of allogeneic corneal epithelial grafts

Fuchsluger T.A., University Eye Hospital Essen, Germany

Amniotic membrane transplantation (AMT) in the corneal ulcer treatment

Mrvacic I., Eye clinic Svjetlost, Zagreb, Croatia

Amniotic membrane transplantation for severe iatrogenic ocular surface disorders

Rymgayllo-Jankowska B., Lublin Eye Bank, Lublin, Poland

Transplantation of autologous cultivated limbal epithelium on intact amniotic membrane for conjunctival surface reconstruction

Meller D., Dept. of Ophthalmology, University of Duisburg-Essen, Germany

Human corneal limbal epithelial tissue (HCLET) for transplant purposes: the effect of medium on expression of factors associated with stemness

Shahdadfar A., Department of Ophthalmology, Oslo, Norway

Cultures of epithelial cells from superficial limbal explants obtained from organ-cultured human donor corneas

Ghoubay-Benallaoua D., Institut de la Vision, Paris, France

CK8 is extensively expressed in basal cells of the human limbal epithelium

Jirsova K., Charles University, Prague, Czech Republic

MMP2, MMP13, TIMP1, VEGF A and VEGF R1 gene expression in the corneal epithelium of patients with keratoconus, bullous keratopathy and vascularised corneal leucoma

Draca N., Eye clinic Svjetlost, Zagreb, Croatia

Anti-VEGF treatment decreases neovascularisation of mice cornea following corneal combustion

Predovic J., Ruder Boskovic Institute, Zagreb, Croatia

10.45 - 11.15 **Coffee Break**

11.15 - 13.00 Scientific Session IV
Penetrating and anterior lamellar keratoplasty

Chairs: I. Dekaris, B. Seitz

Keynote lecture

Penetrating keratoplasty - Still the gold standard?

Seitz B., University Eye Hospital Homburg/Saar, Germany

Oral presentations - 6 + 2 minutes each

Distinct functions of antigen presenting cells on corneal allograft survival

Schwartzkopf J., University Eye Hospital Freiburg, Germany

Anti - VEGF and amniotic membrane transplantation (AMT) improves corneal graft survival in high risk cases

Dekaris I., Eye clinic Svjetlost, Zagreb, Croatia

Corneal transplantation in Hungary

Modis L., University of Debrecen, Debrecen, Hungary

Endothelial cell loss after phaco in patients who underwent penetrating keratoplasty

Barisic A., Eye Hospital "Svjetlost", Zagreb, Croatia

Endothelial cell loss after penetrating keratoplasty depending on corneal storage method and preservation time

Anticic M., Eye clinic Svjetlost, Zagreb, Croatia

Infectious keratitis following corneal transplantation

Glavota V., Eye clinic Svjetlost, Zagreb, Croatia

"Fair-Quality donor corneas": are they always safe for lamellar keratoplasty?

Rezaei Kanavi M., Shahid Beheshti University, Tehran, Iran

First experience with deep anterior lamellar keratoplasty (DALK) in keratoconus patients

Stoiber J., Paracelsus Medical University, Salzburg, Austria

Isolated bowman layer transplantation

Lie J.T., Netherlands Institute for Innovative Ocular Surgery and Amnitrans EyeBank and Melles Cornea Clinic, Rotterdam, The Netherlands

Early and midterm outcome after lamellar keratoplasty in children

Majo F., Jules-Gonin Eye Hospital, Lausanne, Switzerland

13.00 - 14.00 Lunch Break

14.00 - 15.45 Scientific Session V
Posterior lamellar keratoplasty

Chairs: C. Cursiefen, G. Melles

Keynote lecture

The thinner the better: posterior lamellar keratoplasty

Cursiefen C., University Eye Hospital Erlangen, Germany

Oral presentations - 6 + 2 minutes each

More efficient use of donor corneal tissue: two lamellar keratoplasty procedures with one donor cornea

Groeneveld- van Beek E.A., Netherlands Institute for Innovative Ocular Surgery and Amnitrans EyeBank and Melles Cornea Clinic, Rotterdam, The Netherlands

How to prepare the posterior lamellae for DSAEK

Maier P., University Eye Hospital Freiburg, Germany

OCT guided femtosecond laser based pre cut tissue

Blomberg L., DGFG Cornea Bank, MHH Hannover, Augenzentrum Hildesheim, Germany

Femtolasar preparation of tissue for DSAEK using a novel corneal deswelling medium thin-c

Gatto C., R&D ALCHIMIA.Srl, Ponte San Nicolò, Italy

Results of preparation of precut corneas for descemet's stripping automated endothelial keratoplasty from donated whole globes in central eye bank of Iran

Rezaei Kanavi M., Shahid Beheshti University, Tehran, Iran

Endothelial cell density after descemet membrane endothelial keratoplasty (DMEK): 3 years follow-up

van der Wees J., Amnitrans EyeBank Rotterdam and Netherlands Institute for Innovative Ocular Surgery, Rotterdam, The Netherlands

Preparation of a descemet membrane automated endothelial keratoplasty (DMAEK) lamella in a 2-step procedure using a femtosecond laser

Vetter J., Johannes Gutenberg-University Mainz, Mainz, Germany

Visual outcome of the first 200 consecutive descemet membrane endothelial keratoplasty (DMEK) cases

Ham L., Netherlands Institute for Innovative Ocular Surgery and Amnitrans EyeBank and Melles Cornea Clinic, Rotterdam, The Netherlands

Distribution of mesenchymal progenitor cells in the corneal endothelium

Tomaszewski A., University Hospital Essen, Essen, Germany

Identification of potential human corneal endothelial stem-like cell niches

He Z., University Jean Monnet, Saint-Etienne, France

15.45 - 16.15 Coffee Break

16.15 - 18.00 Business Meeting

18.00 Closing Ceremony

Technician-Workshop

January, 21st, 13 - 14:30 hrs

Panel: P. Eberwein, J. Schroeter, P. Bowerman

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| 1. Donor recruitment | Presentation: Bowerman P., Bristol Eye Bank, UK
Discussion & Cases: Panel and audience |
| 2. Graft procurement | Presentation: Eberwein P., University Eye Hospital Freiburg, Germany
Discussion & Cases: Panel and audience |
| 3. Slitlamp evaluation | Presentation: Eberwein P., University Eye Hospital Freiburg, Germany
Discussion & Cases: Panel and audience |
| 4. Endothelial cell evaluation | Presentation: Schroeter J., Tissue Bank Charité, Berlin, Germany
Discussion & Cases: Panel and audience |

Workshop Regulatory affairs

January, 21st, 13 - 14:30 hrs

Panel: J. Blümel, P. Maier, T. Montag, R. Tönjes, G. Wanninger

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| 1. Reporting SAE/SAR: | Presentation: Tönjes R., Paul-Ehrlich-Institute, Langen, Germany
Germany /Maier P., University Eye Hospital Freiburg
Discussion & Cases: Panel and audience |
| 2. Safety aspects microbiology: | Presentation: Montag T., Paul-Ehrlich-Institute, Langen, Germany
Discussion & Cases: Panel and audience |
| 3. Safety aspects virology: | Presentation: Blümel J., Paul-Ehrlich-Institute, Langen, Germany
Discussion & Cases: Panel and audience |
| 4. Experiences with the German tissue law: | Presentation: Wanninger G., District Government of Upper Bavaria, Germany
Discussion & Cases: Panel and audience |