



International Society  
of Blood Transfusion



## **Eye Drops from Human Origin – First EDHO Workshop on Current Standards and Future Developments**

**organized by the ISBT Working Party Cellular Therapies**

**March 23-25, 2022    Vienna, Austria**

**Venue**                      Red Cross Transfusion Service of Vienna,  
Wiedner Hauptstrasse 32, 1040, Vienna,  
Austria

### **Online Programme**

<https://www.isbtweb.org/working-parties/cellular-therapies/>

### **Organizers**

Thierry Burnouf (Taipei, Taiwan)  
Christian Gabriel (Vienna-Graz, Austria)  
Reinhard Henschler (Leipzig, Germany)  
Jutta Horwath-Winter (Graz, Austria)  
Mickey Koh (London-Singapore)  
Denese Marks (Sydney, Australia)  
Katharina Schallmoser (Salzburg, Austria)

### **Workshop office**

E-mail: [edho@gabriel.science](mailto:edho@gabriel.science)

### **Goals of the Meeting:**

This Workshop will provide a forum for scientists, regulatory authorities, ophthalmologists and transfusion experts on the usage, quality, clinical need and manufacture of eye drops from human origin. Selected scientific lectures from well-known experts will be presented. Key discussions to find commonalities in production and quality issues include the latest scientific knowledge. The aim is to reach consensus on classification, validation and standardization of these products. The active participation from various regulatory agencies will also be an important emphasis of this workshop. Ample time shall be provided for a highly stimulating personal discussion:

- To exchange knowledge between eye specialists, transfusion specialists and regulators.
- To enhance knowledge of eye physicians on properties of EDHO and its regulatory requirements
- To enhance knowledge of transfusion specialists on serum eye drops, the clinical need, patient's needs and
- To develop a common ground for the regulation of EDHO

### **Target groups:**

- Regulatory authorities,
- Manufacturers of EDHO,
- Blood establishments, Transfusion medicine specialists,
- Ophthalmologists,
- Researchers,
- Vendors

**Start of Meeting:** Wednesday March 23, 12.30 AM

**End of Meeting:** Friday March 25, 17.00 PM

**Participation fee:** € 500 for clinicians and scientists; special fees apply to (members of) companies - inquiries to: [edho@gabriel.science](mailto:edho@gabriel.science)

**Registration form:** please request by E-mail to: [edho@gabriel.science](mailto:edho@gabriel.science)

**Participants:** Limited to max. 30 persons

## WEDNESDAY MARCH 23, 2022

### Basics

Lacrimal gland, meibomian glands, corneal regeneration

Composition of tears, tear flow

Properties of serum, platelet lysate, extracellular vesicles

*Discussion: physiological properties and what is comparable*

### Diseases of the eye

Dry eye syndrome, GVHD, rare diseases of the anterior eye,

Neurotrophic keratopathy, Sjögren's Syndrome,

Post-surgery complications

*Discussion: Where is the clinical need for EDHO?*

### Properties and Pharmacology of eye drops

Regulatory environment of pharmaceutical eye drops

Pharmaceutical eye drops for the treatment of dry eye disease

New products and developments

*Discussion: what is currently in use, how does it compare to EDHO?*

## THURSDAY MARCH 24, 2022

### Donation of EDHO and production of serum eye drops

Donor requirements of eye drops: eligibility for autologous and allogeneic donation?

How to produce autologous serum eye drops

How to produce allogeneic serum eye drops

Quality testing

Dilution, packaging, labelling, storage, patient's perspective

*Discussion: Key elements for serum eye drops-production, current requirements*

### Production of new EDHO

Eye drops from cord blood, human milk, platelet lysate, allogeneic and autologous

*Discussion: production standards and differences to serum eye drops*

### Quality issues

Testing of growth factors, impurities, microbiology and general testing *Discussion: which tests for which products?*

## FRIDAY MARCH 25, 2022

### Clinical outcomes

Platelet lysate – clinical studies

Cord blood

Effects of EDHO on dry eye disease, Sjögren's syndrome

Post LASIK and postoperative outcomes

Evidence based use of EDHO

*Discussion: which products meet clinical requirements and which data support the use of EDHO*

### Regulatory requirements

*Discussion: regulations overview and commonalities worldwide*

Wrap up, final discussion and conclusions



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