



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 19-20, 2020 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

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Workshop office

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Goals of the Meeting:

This Workshop will provide a forum for scientists, regulatory authorities, ophthalmologists and transfusion experts on the usage, quality, indication 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 some 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 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

Sponsors:



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Aus Liebe zum Menschen.



Target groups:

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

Start of Meeting: Thursday March 19, 08.30 AM

End of Meeting: Friday March 20, 17.00 PM

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

Registration form: please request by E-mail to: edho@gabriel.science

Participants: Limited to max. 30 persons

THURSDAY MARCH 19, 2020

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?

Donation of EDHO and production of serum eye drops

Donor requirements of eye drops: Are all donors eligible for autologous 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

FRIDAY MARCH 20, 2020

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?

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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