



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	www.isbt-web.org
Organizers	Thierry Burnouf (Taipei, Taiwan) Christian Gabriel (Vienna-Graz, Austria)

Reinhard Henschler (Leipzig, Germany)
Mickey Koh (London-Singapore)
Katharina Schallmoser (Salzburg, Austria)

Conference Paper

planned to appear in high ranking papers

Congress Secretariat:

E-mail: edho@gabriel.science

Goals of the Meeting:

This Workshop will provide a forum for ophthalmologists and transfusion experts who need and manufacture eye drop products. Selected scientific presentations from well-known experts will be on top. Key discussions to find communalities are intended to include the latest updates on the field, and find common agreements with regulators on how to classify these human derived products.

Ample time shall be provided for a highly stimulated discussion:

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

Sponsors:

International Society for Blood Transfusion (ISBT); Red Cross Transfusion Service of Vienna (venue), ÖGBT - Austrian Society for blood group serology and transfusion medicine, SVTM - Swiss Society for Transfusion Medicine, Cambium Inc, On Point Inc, Maco Pharma Inc, µ-drop Inc

Target groups:

- Regulators
- Manufacturers of EDHO for human use, blood establishments,
- Transfusion medicine specialists and ophthalmologists
- Researchers and companies

Start of Meeting: Thursday March 19, 09.00 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 send to: edho@gabriel.science
Registration form: please send E-mail to: edho@gabriel.science
Hotel Addresses: please send E-mail to: edho@gabriel.science
Attendants: Limited to max. 60 persons

THURSDAY MARCH 19, 2020

Basics - Mickey Koh

Lacrimal Gland, Meibom glands
Corneal Regeneration, what is Important on the surface
Composition of tears, tear flow, properties
Testing methods
Properties of serum in general (content,...)
Discussion: physiological properties and what is physiologically needed

Diseases of the eye - Christian Gabriel

Dry eye syndrome
GvhD
Keratitis lignosa
Neurotrophic keratopathy
Sjögrens Syndrome
Post surgery
Discussion: Where is the clinical need for SED?

Properties and Pharmacology of eye drops - Reinhard Henschler

Regulatory environment of eye drops
Eye drops for the Treatment of Dry eye Disease
Pharmacological production
Discussion: what is currently in use, how does it compare to EDHO, what is better?

FRIDAY, MARCH 20, 2020

How to produce serum eye drops - Thierry Burnouf

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
Preclinical studies and animal models /rabbits
Concentration and what can be added for dilution
Packaging, labelling
Storage
Discussion: Key Elements for EDHO-production, current requirements

New Developments for Eye drops - Katharina Schallmoser

Eye drops from cord blood
Amniotic Extracts
PRP
Maternal serum eye drops
Eye drops from human milk
Extracellular vesicles
Discussion: new products requirements and specificities

Regulatory requirements – Denese Marks

FDA
EU
Asian
Discussion: regulations overview and communalities worldwide

Wrap up, final discussion and conclusions