EUROPEAN DRY EYE SOCIETY CONGRESS
EuDEC
JUNE 18-19, 2021
HÔTEL HYATT, PORTE MAILLOT
PARIS - FRANCE
FINAL PROGRAMME

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SCIENTIFIC COMMITTEE

PLEASE VISIT: www.dryeye-society.com
INFORMATION & REGISTRATION: regist-eudec@europa-organisation.com
# Final Programme

## June 18, 2021

### Room 1

**8h30-9h00:** Welcome from the President, Christophe Baudouin, France  
**Keynote Lecture:** Science of Tearing. Kazuo Tsubota, Japan

**General Sessions**

**9h00-10h00:** New concepts in DED  
Chair: Christophe Baudouin, France  
The central role of inflammation  
Christophe Baudouin, France  
The central role of corneal nerves  
Marc Labetoulle, France  
The role of hyperosmolarity  
Maurizio Rolando, Italy  
Biomarkers: what for?  
Elisabeth Messmer, Germany  
Questions & Answers

**9h00-10h00:** The central role of inflammation  
Christophe Baudouin, France  
The central role of corneal nerves  
Marc Labetoulle, France  
The role of hyperosmolarity  
Maurizio Rolando, Italy  
Biomarkers: what for?  
Elisabeth Messmer, Germany  
Questions & Answers

**10h15-11h40:** New technologies for DED diagnosis  
Chair: Jose Benitez del Castillo, Spain  
MMP-9 immunoassay  
Elisabeth Messmer, Germany  
Swiss army knife: Keratograph 5  
Pedro Arriola, Spain  
Swiss army knife: Lacrydiag  
Sihem Lazreg, Algeria  
Confocal Microscopy  
Antoine Labbé, France  
Fluorescein breakup patterns for tear film oriented diagnosis for dry eye  
Norihiko Yokoi, Japan  
Tear film interferometry and blinking  
Jason Nichols, USA  
Questions & Answers

**10h15-11h40:** The central role of inflammation  
Christophe Baudouin, France  
The central role of corneal nerves  
Marc Labetoulle, France  
The role of hyperosmolarity  
Maurizio Rolando, Italy  
Biomarkers: what for?  
Elisabeth Messmer, Germany  
Questions & Answers

### Room 2

**Focused Topics**

**9h00-10h00:** MGD from pathophysiology to new therapeutic approaches  
Chair: Kostas Boboridis, Greece  
Joint session with Hellenic Dry Eye Society  
Pathophysiology of MGD  
Chrysa Terzidou, Greece  
Rosacea a major cause of MGD  
Jesus Merayo, Spain  
Demodex and MGD: pathophysiology and management  
Teifi James, UK  
Lipid tears vs mucin-like substitutes for MGD  
Antoine Rousseau, France  
Questions & Answers

**9h00-10h00:** The central role of inflammation  
Christophe Baudouin, France  
The central role of corneal nerves  
Marc Labetoulle, France  
The role of hyperosmolarity  
Maurizio Rolando, Italy  
Biomarkers: what for?  
Elisabeth Messmer, Germany  
Questions & Answers

**10h15-11h40:** Osmolarity vs Osmokinetics: Dry Eye Static or Dynamic?  
Chair: Gysbert B Van Setten, Sweden  
Introduction  
Gysbert B Van Setten, Sweden  
Biophysics of cell and cell membrane  
Erdinc Sezgin, Sweden  
Evaporation and Osmolarity - Clinical relevance  
Maurizio Rolando, Italy  
Measuring Osmolarity  
Kostas Boboridis, Greece  
Osmokinetics: Essential considerations and clinical relevance  
Gysbert B Van Setten, Sweden  
Osmotic Stress and Osmoprotection: Strategies and limitations  
Marc Labetoulle, France  
Questions & Answers

### Room 1

**11h45-12h30:** Industry Symposium

**12h30-13h30:** Lunch break

**13h30-14h15:** Industry Symposium

**14h15-14h45:** Keynote Lecture 2: Ménage à trois: sex, androgens and dry eye disease. David Sullivan, USA
ROOM 1

14H45-16H15: Tfos session «What a nerve»
Cochairs: Christophe Baudouin, France & David Sullivan, USA
Introduction
Amy Gallant Sullivan, UK
TFOS actions and history
David Sullivan, USA
What is neuropathic pain, and what are the underlying mechanisms?
Anat Galor, USA
Pain and neuroimmune cell interactions
Marzia Malcangio, UK
Management of neuropathic pain
Pedram Hamrah, USA
Corneal nerves and Neurotrophic Keratopathy
Harminder Dua, UK
Questions & Answers

16H30-18H00: Iatrogenic Dry eye
Joint meeting with EuCornea
Cochairs: Beatrice Cochener, France & Elisabeth Messmer, Germany
Acute ocular surface toxicity with cancer drugs
Marc Labetoulle, France
Dry Eye after stem cell transplantation
Philip Steven, Germany
Dry Eye in Glaucoma
Christophe Baudouin, France
Dry Eye and Cataract Surgery
Beatrice Cochener, France, Germany
Dry Eye and corneal refractive surgery
Jesus Merayo, Spain
Dry Eye and Cosmetics/cosmetic procedures
Jutta Horwath-Winter, Austria
Questions & Answers

ROOM 2

14H45-16H15: MGD: new devices and technologies
Chair: Gerd Geerling, Germany
Automated thermal pulsation treatment of MGD
Gerd Geerling, Germany
IPL for dermatological disorders - How (good) does it work?
Gerd Kautz, Germany
IPL – The ophthalmological evidence
Elisabeth Messmer, Germany
Microdebridement and other ways to “torture” the lid margin
Koskas Boboridis, Greece
JettPlasma treatment of MGD - What is that?
Carlos Ruiz Lapuente, Spain
Questions & Answers

16h30-17h45: Contact lens/ECLSO
Cochairs: Francisco Figueiredo, UK & Omur Ucakhan, Turkey
Contact Lens Discomfort and Contact Lens-Related Dry Eye
Omûr Ucakhan, Turkey
Therapeutic soft Contact Lenses
Andrena McElvanney, UK
Scleral lenses
Carina Koppen, Belgium
Contact Lens related microbial keratitis
Parwez Hossein, UK
Questions & Answers
### Final Programme

#### June 19, 2021

**Room 1**

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<td>8H30-9H00</td>
<td><strong>Keynote Lecture:</strong> Inflammation in DED, from basic science to clinical developments, <strong>Mike E. Stern</strong>, USA</td>
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<td>9H00-10H00</td>
<td><strong>General Sessions</strong>&lt;br&gt;Microbiome, a new promising concept&lt;br&gt;Maria Rescigno, Italy&lt;br&gt;The microbiome/microbiota effect on human health&lt;br&gt;Jesus Merayo, Spain&lt;br&gt;The biofilm&lt;br&gt;Jose Benitez del Castillo, Spain&lt;br&gt;The ocular surface tolerance mechanisms towards the microbiota&lt;br&gt;Pasquale Aragona, Italy&lt;br&gt;Dry eye and the gut microbiota&lt;br&gt;Marc Labetoulle, France&lt;br&gt;Questions &amp; Answers</td>
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<td>10H15-11H30</td>
<td><strong>Neuropathic pain: when the doctor does not understand patient's complaints</strong>&lt;br&gt;Chair: Jesus Merayo, Spain&lt;br&gt;Current concepts on neuropathic pain&lt;br&gt;Jesus Merayo, Spain&lt;br&gt;Molecular and cellular basis of neuropathic pain and integrative mechanism&lt;br&gt;Carlos Belmonte, Spain&lt;br&gt;Diagnosis and Measurement of Neuropathic pain&lt;br&gt;Pedram Hamrah, USA&lt;br&gt;Management of Neuropathic pain&lt;br&gt;Jesus Merayo, Spain&lt;br&gt;Questions &amp; Answers</td>
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<td>9H00-10H00</td>
<td><strong>Focused Topics</strong>&lt;br&gt;Dry eye and Allergy: close relationships&lt;br&gt;Cochairs: Stefano Bonini &amp; Andrea Leonardi, Italy&lt;br&gt;Dry Eye and Ocular Allergy: common features&lt;br&gt;Edoardo Villani, Italy&lt;br&gt;Allergic and non allergic blepharitis: How to make the difference?&lt;br&gt;Serge Doan, France&lt;br&gt;Common and different pathways&lt;br&gt;Andrea Leonardi, Italy&lt;br&gt;Common and different therapeutic approaches&lt;br&gt;Stefano Bonini, Italy&lt;br&gt;Questions &amp; Answers</td>
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<tr>
<td>10H15-11H30</td>
<td><strong>Vision and DED</strong>&lt;br&gt;Chair: Murat Irkec, Turkey&lt;br&gt;Impact of DED on QoL and vision&lt;br&gt;Antoine Labbé, France&lt;br&gt;Mechanisms of visual disturbance in DED&lt;br&gt;Murat Irkec, Turkey&lt;br&gt;Optical quality of ocular surface in normals and DED patients&lt;br&gt;Jose Benitez del Castillo, Spain&lt;br&gt;Management of DED-associated visual problems&lt;br&gt;Murat Dogru, Japan&lt;br&gt;Questions &amp; Answers</td>
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<td><strong>Industry Symposium</strong>&lt;br&gt;12H30-13H30 <strong>Lunch break</strong></td>
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**FINAL PROGRAMME**

**JUNE 19, 2021**

**ROOM 1**

**General sessions**

14H30-15H40:

**Tackling DED: toward new strategies**

Cochairs: Stefano Barabino & Maurizio Rolando, Italy

- Introduction
- Controlling the shift from parainflammation to inflammation: a new perspective in DED
- Stefano Barabino, Italy
- Jose Benitez del Castillo, Spain
- Treatment of Pain, a look to the future
- Anat Galor, USA
- Panel discussion: E. Messmer, C. Baudouin, S. Barabino, J. Benitez del Castillo, A. Galor, M. Rolando

15H45-17H15:

**ITDED³ A European consortium for innovation**

Chair: Philipp Steven, Germany

- Opening remarks
- Philipp Steven, Germany
- Introduction to the IT-DED³ Consortium
- Koen Augustyns, Belgium
- Dry eye drug development: from the lab to the upscaling
- Alba Ramos-Llorca, Belgium
- Use of natural compounds for treatment of DED and strategies for drug delivery
- Luna Krstić, Spain
- Biomarkers for diagnosis of DED
- Adrián Guerrero Moreno, France
- Artificial Intelligence in dry-eye diagnosis - academic and industrial collaboration
- Asif Khan Setu, Germany
- Translational applications of basic research - Advisory Board perspective
- Michael E. Stern, USA
- Questions & Answers
- Philipp Steven, Germany

**ROOM 2**

**Focused topics**

14H30-15H15:

**Biomarkers for Dry Eye Disease: aims and technologies**

Chair: Margarita Calonge, Spain

- Biomarkers in DED: introduction of session and invited speakers
- Margarita Calonge, Spain
- Tear vs cell strategies as biomarkers for DED
- Christophe Baudouin, France
- Tear molecules and -omic technologies in DED
- Piera Versura, Italy
- How tear/cell biomarkers for DED can help clinicians
- Amalia Enríquez-de-Salamanca, Spain
- Questions & Answers

15h45-17H20:

**Young Ophthalmologists**

A sense of innovation

Chair: Francesc March de Ribot, Spain

- Ocular surface frailty index as a predictor of dry eye symptoms
- Eduardo Villani, Italy
- Digital solutions for dry eye
- Luis Alfonso Hernández Piñamora, Mexico
- Intense Pulsed Light new approach for dry eye
- Filipe Esteves, Portugal
- Microblepharoexfoliation Procedure: New approach against eyelids biofilm
- Renato Papa, Colombia
- Salivary gland implant for dry eye
- Jaime Martinez, USA
- Dry eye in covid pandemic
- Mridula Amarnath, India
- New times for dry eye
- Francesc March de Ribot, Spain
- Questions & Answers

**ROOM 1**

17H20 Concluding remarks
**LIST OF E-POSTERS**

**e-P01**
AUTOMATIC CORNEAL DENDRITIC CELL DENSITY & MORPHOLOGY EVALUATION IN CONFOCAL MICROSCOPE IMAGES USING DEEP LEARNING

M. Setu, S. Schmidt, G. Musial, M. Stern, P. Steven

1Department of Ophthalmology, Faculty of Medicine and University Hospital Cologne, University of Cologne, Cologne, GERMANY, 2Heidelberg Engineering GmbH, Heidelberg, GERMANY, 3ImmunEyez LLC, Irvine, CA.

**e-P02**
TECHNICAL CONSIDERATION OF TEAR PROTEOMICS ANALYSIS USING SCHIRMER STRIPS AND TIMSTOF PRO


1Sorbonne University, INSERM, CNRS, IHU FORESight, Institut de la Vision, 75012, Paris, FRANCE, 2IT-DED³ Integrated Training in Dry Eye Disease Drug Development, Horizon 2020 project: Marie Skłodowska-Curie Action, Antwerp, BELGIUM, 3Sorbonne Université, INSERM, UMS PASS, Plateforme Post-génomique de la Pitié Salpêtrière (P3S), Paris, FRANCE, 4Department of Ophthalmology, Hôpital Ambroise Paré, Boulogne, FRANCE, 5Université Versailles St Quentin en Yvelines, Boulogne-Billancourt, FRANCE, 6National Hospital of Ophthalmology of Quinze-Vingts, Paris, FRANCE, 7National Hospital of Ophthalmology of Quinze-Vingts, Paris, FRANCE, 8University of Paris, Faculty of Pharmacy, Paris, FRANCE.

**e-P03**
IVCM GRADING SCORE AND HLA-DR LEVEL IN PATIENTS WITH DRY EYE DISEASE


1Department of Ophthalmology 3, Quinze-Vingts National Ophthalmology Hospital, Paris, FRANCE, 2CHNO XV-XX, Paris, FRANCE, 3Sorbonne Université UM80, INSERM UMR 968, CNRS UMR 7210, Institut de la Vision, IHU Foresight, Paris, FRANCE, 4Department of Ophthalmology, Amboise Paré Hospital, AP-HP, University of Versailles Saint-Quentin-en-Yvelines, Boulogne-Billancourt, FRANCE, 5Department of Pharmacology, Quinze-Vingts National Ophthalmology Hospital, Paris, FRANCE.

**e-P04**
MODULATION OF INTERFERON-STIMULATED GENES IN CONJUNCTIVAL CELLS OF DRY EYE PATIENTS


**e-P05**
IN VIVO CONFOCAL MICROSCOPY STUDY OF CORNEAL INNERVATION IN SJÖGREN SYNDROME AND ASSOCIATED SMALL FIBER NEUROPATHY


1CHNO XV-XX, Paris, FRANCE, 2Institut de la Vision, Paris, FRANCE, 3Hôpital Lariboisière, Paris, FRANCE.

**e-P06**
MOLECULAR NETWORK BASED-LIPIDOMIC ANALYSIS OF AN IN VITRO MODEL OF DRY EYE DISEASE: A FIRST STEP TO IDENTIFY NEW BIOMARKERS IN CONJUNCTIVAL IMPRINTS


**e-P07**
EFFECTICITY OF A NEW TEAR SUBSTITUTE CONTAINING HYALURONIC ACID AND A LOW DOSE OF HYDROCORTISONE IN DRY EYE DISEASE

S. Barabino, M. Rolando

1Ospedale L. Sacco, University of Milan, Milan, ITALY, 2Is.PRE Oftalmica, Genoa, ITALY.

**e-P08**
INTEGRATED APPROACH TO TESTING AND ASSESSMENT APPLIED TO TOXICITY-INDUCED DRY EYE

N. Bonneau, C. Baudouin, F. Brignole-Baudouin

1Sorbonne Université, INSERM, CNRS, Institut de la Vision, 17 rue Moreau, F-75012 Paris, France ; CIFRE, ANRT, Hors Pharma, Paris, FRANCE, 2Sorbonne Université, INSERM, CNRS, IUH FORESight, Institut de la Vision ; Centre Hospitalier National d’Ophthalmologie des Quinze-Vingts ; Université Versailles-Saint-Quentin-en-Yvelines, Hôpital Ambroise Paré, APHP, Paris, FRANCE, 3Sorbonne Université, INSERM, CNRS, IUH FORESight, Institut de la Vision ; Centre Hospitalier National d’Ophthalmologie des Quinze-Vingts ; Université de Paris, Faculté de Pharmacie, Paris, FRANCE.

**e-P09**
AUTOMATIC SEGMENTATION OF CORNEAL VASCULATURE FROM CORNEA WHOLE MOUNT IMAGES

G. Musial, M. Setu, U. Gehlsen, T. Bilgin, A. Zachert, P. Steven

University of Cologne, Köln, GERMANY.
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**e-P10**
TEAR PROTEOME ANALYSIS OF SJÖGREN’S SYNDROME PATIENTS USING TIMSTOF PRO

M. Akkurt1,2, I. Kolman1,2, S. Chardonnet3, C. Pionneau3, R. Magny4, C. Baudouin1,4,5,6, F. Brignole-Baudouin1,4,7, K. Kessal1,4
1Sorbonne University, INSERM, CNRS, IHU FOReSight, Institut de la Vision, 75012, Paris, FRANCE, 2IT-DED³ Integrated Training in Dry Eye Disease Drug Development, Horizon 2020 project: Marie Skłodowska-Curie Action, Antwerp, BELGIUM, 3Sorbonne Université, INSERM, UMS PASS, Plateforme Post-génomique de la Pitié Salpêtrière (P3S), Paris, FRANCE, 4National Hospital of Ophthalmology of Quinze-VINGTs, 75012, Paris, FRANCE, 5Department of Ophthalmology, Hôpital Ambroise Paré, Boulogne, FRANCE, 6Université Versailles St Quentin en Yvelines, Paris, FRANCE, 7University of Paris, Faculty of Pharmacy, Paris, FRANCE.

**e-P11**
AN IMPROVED PROTOCOL FOR THE CHARACTERIZATION OF THE OCULAR SURFACE MICROBIOTA IN MEIBOMIAN GLAND DYSFUNCTION PATIENTS

B. Sánchez Gavilán, R. Calderon, A. Peral Cerdá, A. Pitarch Velasco
Facultad de Optica y Optometria, Madrid, SPAIN.

**e-P12**
CORD BLOOD SERUM REDUCES HYPEROSMOLAR-INDUCED STRESS DAMAGE IN HUMAN PRIMARY CONJUNCTIVAL EPITHELIAL CELLS

C. Ciavarella1, G. Astolfi1, C. Coslovi1, E. Bergantini1, M. Buzzi2, P. Versura1

**e-P13**
PRE-POST TEAR PROTEIN CHANGES CORRELATE WITH OCULAR CHRONIC GVHD DEVELOPMENT IN ALLOGENEIC HEMATOPOIETIC STEM CELL TRANSPLANT PATIENTS

G. Astolfi1, C. Coslovi1, C. Ciavarella1, M. Arpinati2, F. Bonifazi2, P. Versura1,2
1Laboratory for Ocular Surface Analysis and Translational Research - DIMES – Alma Mater Studiorum University of Bologna, Bologna, ITALY, 2IRCCS Azienda Ospedaliero Universitaria di Bologna, Italy, Bologna, ITALY.

**e-P14**
OCULAR SURFACE CHARACTERISTICS IN FINNISH ELDERLY POPULATION

J. Nättinen1, U. Aapola1, J. Tuomilehto2, S. Keinänen-Kiukkaannimi3, J. Saramies4,5, H. Uusitalo1,5
1Tampere University, Tampere, FINLAND, 2Finnish Institute for Health and Welfare, Helsinki, FINLAND, 3University of Oulu, Oulu, FINLAND, 4South Karelia Social and Health Care District, Savitaipale, FINLAND, 5Tays Eye Centre, Tampere University Hospital, Tampere, FINLAND.

**e-P15**
CLINICAL ASSESSMENT IN EARLY GRAFT-VERSUS-HOST DISEASE DIAGNOSIS

E. Aragona, L. Berchicci, E. Misericocchi, F. Bandello, G. Moroder
Vita-Salute San Raffaele University, IRCCS San Raffaele Scientific Institute, Milan, ITALY.

**e-P16**
EVALUATION OF EXTRACTS OBTAINED FROM MARINE BY-PRODUCTS USING EUTECTIC SOLVENT SYSTEMS FOR THEIR THERAPEUTIC APPLICATION IN THE DRY EYE DISEASE

M. M. Abdallah1,2, A. Enríquez-De-Salamanca3,4, Y. Diebold1,4, M. González-García3,4, A. A. Matias1, M. R. Bronze1,2, N. Fernández3,4
1Instituto de Biologia Experimental e Tecnológica (IBET), Oeiras, PORTUGAL, 2Instituto de Tecnologia Química e Biológica António Xavier, Universidade Nova de Lisboa, Oeiras, PORTUGAL, 3Institute of Applied Ophthalmobiology (IOBA), University of Valladolid, Valladolid, SPAIN, 4Biomedical Research Networking Center in Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN), Madrid, SPAIN, 5Faculdade de Farmácia da Universidade de Lisboa, Lisbon, PORTUGAL.

**e-P17**
CORNEAL EPITHELIAL THICKNESS EVALUATION IN PRIMARY SJÖGREN SYNDROME ASSOCIATED DRY EYE

T. Loureiro, S. Rodrigues-Barros, A. Vide-Escada, N. Campos
Hospital Garcia de Orta, Almada, PORTUGAL.

**e-P18**
DELTA-9-TETRAHYDROCANNABINOL (THC) INCREASES CORNEAL WOUND HEALING EX-VIVO AND IN-VIVO

B. N. Tran
University Hospital Cologne, Cologne, GERMANY.
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**IN VITRO EVALUATION OF OLIVE POMACE PHENOLIC COMPOUNDS AS THERAPEUTIC AGENTS FOR THE DRY EYE DISEASE**

N. Katsinas1,2, S. Rodríguez-Rojo2, C. García-Vázquez2, M. González-García1,3, A. Enríquez-de-Salamanca1,3

1Institute of Applied Ophthalmobiology (IOBA), University of Valladolid (UVa), Valladolid, SPAIN, 2High Pressure Processes Group, Dpt. of Chemical Engineering and Environmental Technology, School of Engineering, University of Valladolid (UVa), Valladolid, SPAIN, 3Biomedical Research Networking Center in Bioengineering, Biomaterials and Nanomedicine (CIBER-BBN), Valladolid, SPAIN.

**e-P20**

**QUERCETIN AND RESVERATROL IN COMBINATION WITH HP-β-CYCDLExTRIN PROTECT HUMAN CONJUNCTIVAL EPITHELIAL CELLS FROM OXIDATIVE STRESS**

L. Krstic, M. González-García, Y. Diebold

Institute of Applied Ophthalmobiology (IOBA), Valladolid, SPAIN.

**e-P21**

**LONGITUDINAL ANALYSIS OF CONJUNCTIVAL CYTOLOGY IN PATIENTS UNDERGOING HEMATOPOIETIC STEM CELL TRANSPLANTATION**

F. Bernabei, G. Astolfi, C. Coslovì, M. Arpinati, F. Bonifazi, P. Versura

1Laboratory for Ocular Surface Analysis and Translational Research DIMES Alma Mater Studiorum University of Bologna, Bologna, ITALY, 1RCCS Azienda Ospedaliero Universitaria di Bologna, Italy, Bologna, ITALY.

**e-P22**

**A NON-INTERVENTIONAL STUDY COMPARING EXPERIENCES IN DRY EYE DIAGNOSIS FOR PATIENTS LIVING WITH AND WITHOUT SJÖGREN’S SYNDROME**

F. C. Figueiredo1,2, C. Baudouin3,4, M. Rolando5, E. M. Messmer6, G. de Saint Sauveur1, J. Delmotte2, S. Charles-Weber2, J. Bénichou1, E. Da Cunha1, P. Remongin1, M. Labetoulle1

1Department of Ophthalmology, Royal Victoria Infirmary, Newcastle Upon Tyne Hospitals NHS Foundation Trust, Newcastle University, Newcastle upon Tyne, UNITED KINGDOM, 2Bioscience Institute, Faculty of Medical Sciences, Newcastle upon Tyne, UNITED KINGDOM, 3Quinze-Vingts National Ophthalmology Hospital, IHU Foresight, INSERM-DGOS CIC 1423, 28 rue de Charenton, Paris, FRANCE, 4Department of Ophthalmology, Ambroise Paré Hospital, AP-HP, University of Versailles Saint-Quentin-en-Yvelines, 9 avenue Charles de Gaulle, Boulogne-Billancourt, FRANCE, 5ISPRE Ophthalmics., Genoa, ITALY, 6Humanitas Clinical and Reserch Center, IRCCS, Rozzano, Milano, ITALY.

**e-P23**

**TACROLIMUS EYE DROPS IN SEVERE AND REFRACTORY DRY EYE DISEASE**

A. Rousseau1, G. De Saint Sauveur1, J. Delmotte2, S. Charles-Weber2, J. Bénichou1, E. Da Cunha1, P. Remongin1, M. Labetoulle1

1Ophthalmology Paris-Saclay, Le Kremlin-Bicêtre, FRANCE, 2Hotel Dieu Pharmacy, Paris, FRANCE.

**e-P24**

**OPTIMISATION OF A PROTOCOL FOR THE CHARACTERISATION OF THE OCULAR MICROBIOTA IN PATIENTS WITH DRY EYE**

R. Calderón García1, B. Sánchez Gavilán1, A. Pitarch Velasco2, M. Perel Cerda3

1UCM, Madrid, SPAIN, 2Department of Microbiology and Parasitology, Madrid, SPAIN, 3Department of Optometry and Vision, Madrid, SPAIN.

**e-P25**

**NEUROPATHIC CORNEAL PAIN-RELATED NERVE ABNORMALITIES IN DRY EYE PATIENTS: ARE THERE DIFFERENCES BETWEEN DRY EYE AETIOLOGIES?**

A. Guerrero Moreno1, H. Liang1, J. Luzi1, N. Moreau1,4,5, S. Mélak Parsadaniantz1, C. Baudouin1,6, A. Réaux-Le Goazigo1

1Sorbonne Université, INSERM, CNRS, Institut de la Vision, IHU Foresight, Paris, FRANCE, 2CHNO des Quinze-Vingts, INSERM-DGOS CIC 1423, IHU ForeSight, Paris, FRANCE, 3Department of Oral Medicine and Oral Surgery, Bretonneau Hospital, AP-HP, Paris, FRANCE, 4Faculty of Dental Medicine, University of Paris, Paris, FRANCE, 5Laboratory of Orofacial Neurobiology (EA 7543), University of Paris, Paris, FRANCE, 6Department of Ophthalmology, Ambroise Paré Hospital, AP-HP, IHU Foresight, University of Versailles Saint-Quentin-en-Yvelines, Boulogne-Billancourt, FRANCE.

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**EYEDROPS CONTAINING POSTBIOTIC FROM LACTOBACILLUS PARACASEI CNCM I 5220**

E. Solfato1, C. Zappulla1, C. Spoto1, A. Pricoco1, M. Santonocito1, L. R. La Rosa1, S. Viola1, G. De Pasquale1, V. Pepe1, D. Spina1, M. Curatolo1, A. Sudano Roccaro1, G. Penna2,3, M. Rescigno2,4, M. Mazzone1

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S. Trocmé1, S. Ræder2, C. Fassari3, I. Lanzl4, G. Geerling5
1Aleris Specialistvård Sabbatsberg, Europakliniken Department of Ophthalmology Sabbatsbergs Hospital Stockholm, Stockholm, SWEDEN, 2The Norwegian Dry Eye Clinic, Oslo, NORWAY, 3Santen SA, Geneva, SWITZERLAND, 4Chiemsee Augentagesklinik, Prien, GERMANY, 5Department of Ophthalmology, University Hospital Duesseldorf, Duesseldorf, GERMANY.

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1University Magna Graecia di Catanzaro, Catanzaro, ITALY, 2University of Ferrara, Ferrara, ITALY.

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1CLINSBORGES, Porto, PORTUGAL, 2TFOS Ambassador for Portugal, Porto, PORTUGAL, 3Vision Care Adviser, Essilor Portugal, Lisboa, PORTUGAL, 4Vision Care Director, Essilor Portugal, Lisboa, PORTUGAL.

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1University Magna Graecia di Catanzaro, Catanzaro, ITALY, 2University of Ferrara, Ferrara, ITALY, 3Carones Vision, Milan, ITALY.

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Scientific Research Institute of Eye Diseases, Moscow, RUSSIAN FEDERATION.

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1Provincial Hospital, Zaragoza, SPAIN, 2Zaragoza University, Zaragoza, SPAIN.

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1CLINSBORGES, Porto, PORTUGAL, 2TFOS Ambassador for Portugal, Porto, PORTUGAL, 3Vision Care Adviser, Essilor Portugal, Lisboa, PORTUGAL, 4Vision Care Director, Essilor Portugal, Lisboa, PORTUGAL.

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¹H.U Príncipe de Asturias, Alcalá de Henares, SPAIN, ²Clinica Novovision, Madrid, SPAIN.

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¹Faculty of Medicine Annaba Algeria, Annaba, ALGERIA, ²Faculty of Medicine ALGIERS Algeria, Algiers, ALGERIA, ³Faculty of Medicine Batna Algeria, Batna, ALGERIA.

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Augenzentrum Eckert, Neu-Ulm, GERMANY.

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A. Devebacak¹, M. Teker², M. Palamar¹  
¹Ege University Faculty of Medicine, Izmir, TURKEY, ²Sarikaya State Hospital, Yozgat, TURKEY.

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University of Tunis El Manar, School of Medicine, Tunis, TUNISIA.

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\textsuperscript{1}Habib Thameur Hospital, Tunis, TUNISIA, \textsuperscript{2}University of Tunis EL Manar, Faculté de médecine de Tunis, Tunis, TUNISIA.

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SPONSORED SESSIONS PROGRAMME

JUNE 18, 2021

ROOM 1

11H45-12H30: THÉA Symposium

When Dry Eye patients are unsatisfied, what do you do?
What causes pain in dry eye? Christophe Baudouin, France
Dry Eye can affect more than the eye: impact on QoL, Elisabeth Messmer, Germany
When your patients aren’t happy, Cristina Grupcheva, Bulgaria
How to relieve dry eyes in clinical practice
> 1st clinical case presentation, Maurizio Rolando, Italy
> 2nd clinical case presentation, Renata Ivekovic, Croatia
Questions & Answers

12H30-13H30 Lunch break

13H30-14H15: ALLERGAN Symposium

Dry Eye Disease: new concepts and challenges of osmolarity
Moderator/facilitator: Christophe Baudouin, France
Introduction, Christophe Baudouin, France
New concepts in Dry Eyes, Christophe Baudouin, France
Osmoprotection, what does it mean exactly? Marc Labetoulle, France
Osmokinetics: the osmotic challenge of the Ocular Surface, Gysbert Van Setten, Sweden
Questions & Answers

JUNE 19, 2021

ROOM 1

11H45-12H30: ALCON Symposium

20/20 but unhappy after cataract surgery: an ocular surface problem ?
Chairman: Christophe Baudouin, France
Advanced IOL Optics: Keys for success, Beatrice Cochener, France
Preoperative detection and management, Marc Labetoulle, France
Postoperative management, Elisabeth Messmer, Germany
Questions & Answers

12H30-13H30 Lunch break

13H30-14H15: SANTEN Symposium

State-of-the-art management of dry eye disease
Welcome and introduction, Christophe Baudouin, France, Chair
From lid margin disease to DED: a focus on meibomian gland dysfunction and blepharitis
Margarita Calonge, Spain
Focussing on inflammation for the management of DED, Christophe Baudouin, France
Evidence-based approach for the management of ocular surface inflammation in disease
Elisabeth Messmer, Germany
Questions&Answers
Symposium close, Christophe Baudouin, France
INDUSTRY CHANNEL

HORUS Symposium

The new, new definitions of dry eye disease, Christophe Baudouin, France
The patient’s experience: Reasons & Methods to assess, Marc Labetoulle, France
Evaporative dry eye disease: the importance of the lipid layer, Maurizio Rolando, Italy
The importance of the mucin layer, Jose Benitez Def Castillo, Spain
When “dry eye” is the wrong diagnosis, Carina Koppen, Belgium
Discussion

GSK EXPERTS TALK

Corneal adverse events with ADC in oncology: State of the art and practical considerations

Overview of corneal adverse events, Elisabeth Messmer, Germany
Clinical case and practical considerations, Marc Labetoulle, France
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