



IC³OR 2021

9^o International Congress on OCT and OCT angiography in Rome

SPECIAL EVENT
FLORetina
LIVE SURGERY AND SYMPOSIA

December
17 and 18, 2021
Rome - Cavalieri
Congress Center

Preliminary Program - FRIDAY

IC³OR Hall

FLORetina Hall

BELLE ARTI HALL

CARAVAGGIO HALL

NON EXUDATIVE MNV

Chair: Eric Souied

Moderators: Francesco Faraldi, Giuseppe Querques

- 8:00-8:07 **Nadia Waheed** - Vascularized drusen and long term follow up
- 8:07-8:14 **Giuseppe Querques** - Incidence and nature of neovascularization in the fellow eye of patients with exudative Type 3 MNV: a long term analysis in the era of advanced
- 8:14-8:21 **Eric Souied** - Asymptomatic CNV in the fellow eye
- 8:21-8:28 **Alexandra Miere** - Nascent Type 3 Neovascularization
- 8:28-8:38 Discussion

NEOVASCULAR VS EXUDATIVE AMD - IS THIS IMPORTANT FOR FUTURE THERAPIES?

Chairs: Daniel Pauleikhoff, Leonardo Mastropasqua

Moderators: Daniela Bacherini, Lisa Toto

- 8:38-8:45 **David Sarraf** - Spectrum of exudative non-neovascular AMD (NEAD)
- 8:45-8:52 **Richard Spaide** - Spectrum of neovascular AMD (MNV) and imaging biomarkers
- 8:52-8:59 **Alain Gaudric** - MacTel Type 2 by OCT and OCTA
- 8:59-9:06 **Daniel Pauleikhoff** - Transformation of MNV during anti-VEGF therapy - what are future challenges?
- 9:06-9:13 Discussion
- 9:13-9:20 **Stanislao Rizzo** - **Advanced treatments in severe retinal diseases**
- 9:20-9:23 **Stanislao Rizzo** - Introduction to José Alain Sahel

9:23-9:38 OPTOGENETICS TODAY AND TOMORROW

GUEST OF HONOR: José Alain Sahel

UPDATE ON EXUDATIVE MACULOPATHY

Chairs: Marco Rispoli, Giuseppe Querques

- 9:38-9:45 **Dinah Zur** - Update on treatment of diabetic macular edema
- 9:45-9:52 **David Sarraf** - Intravitreal Brolucizumab Therapy: Can Ultra Widefield FA Identify Patients at Risk of Severe Vision Loss?
- 9:52-9:59 **Eric Souied** - Brolucizumab: the French experience
- 9:59-10:06 **SriniVas Sadda** - SHRM and PED in the HAWK and HARRIER Studies
- 10:06-10:13 **Marion Munk** - Standardization of OCTA nomenclature in retinal diseases
- 10:13-10:20 Discussion

LIVE SURGERIES





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10:20-11:20 COFFEE BREAK

BREAK SYMPOSIUM

**OCT-A INNOVATIONS: DEEPER,
WIDER AND BEYOND OPHTHALMOLOGY**

Moderator: Sandrine Zweifel



- 10:20-10:35 **Marion Munk** - Wide-field multi-modal imaging
- 10:35-10:50 **Corinne Dot** - OCT-A metrics variations
- 10:50-11:05 **Sandrine Zweifel** - Beyond Ophthalmology
- 11:05-11:20 Discussion

ARTIFICIAL INTELLIGENCE 1

Chairs: Anat Loewenstein, Paolo Lanzetta

Moderators: Dafna Goldenberg, Dinah Zur, Maria Cristina Savastano

- 11:20-11:27 **Ursula Schmidt-Ehrfurt** - The current and future status of Artificial Intelligence in Retina
- 11:27-11:34 **Usha Chakravarthy** - Impact of macular fluid volume fluctuations on visual acuity during anti-VEGF therapy in eyes with nAMD
- 11:34-11:41 **Eric Souied** - Artificial Intelligence to Stratify Severity of Age-Related Macular Degeneration (AMD) and Predict Risk of Progression to Late AMD
- 11:41-11:48 **Roy Schwartz** - Unlocking the mystery of reticular pseudodrusen with AI
- 11:48-11:55 **Sobha Sivaprasad** - Detection of Diabetic Retinopathy from Ultra-Widefield Scanning Laser Ophthalmoscope Images: A Multicenter Deep Learning Analysis
- 11:55-12:02 **Peter Campbell** - Lessons learned from deep learning in retinopathy of prematurity
- 12:02-12:12 Discussion

HIGHLIGHTS ON OCTA

Chairs: Yali Jia, Gianluca Manni

Moderator: Giuseppe Querques

- 12:12-12:19 **Jennifer Sun** - OCTA Projection Artifact Removal: Impact on Capillary Density and Interaction with Diabetic Retinopathy Severity

FLORetina Hall

LIVE SURGERIES

BELLE ARTI HALL

CARAVAGGIO HALL

10.00-10.20 MEET THE EXPERT



**Brolucizumab: l'arte della
risoluzione del fluido**

*Giovanni Staurenghi,
Maria Vadalà*

10.20-10.40 MEET THE EXPERT



**Voretigene Neparvovec:
distrofie retiniche ereditarie.**

**Prime esperienze,
dal bambino all'adulto**

*Stanislao Rizzo, Michele
Della Corte, Benedetto Falsini,
Francesco Testa*

11.30-11.50 MEET THE EXPERT



ACADEMY

*Marco Rispoli, Adil
El Maftouhi, Nicolas Bruel*

12.00-12.20 MEET THE EXPERT



**Brolucizumab: l'arte della
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- 12:19-12:26 **Amani Fawzi** - 3D-PROCTA application to CNV: what we learned about lesion complexity
- 12:26-12:33 **Xiaoyan Ding** - Quantitative projection-resolved outer retinal angiogram in determining activity of myopic CNV
- 12:33-12:40 **Toco Y Chui** - Dynamics of Microvascular Intermittent Flow in Sickle Cell Retinopathy Revealed by Serial OCTA
- 12:40-12:47 **Yali Jia** - Automated Screening of Diabetic Retinopathy Based on Structural and Angiographic OaCT
- 12:47-12:54 **Joseph Carroll** - Use and Interpretation of OCTA Imaging
- 12:54-13:04 Discussion

BRUNO LUMBROSO LECTURE

- 13:04-13:07 **Quan Dong Nguyen** - Introduction to Bruno Lumbroso Lecture
- 13:07-13:27 **James Fujimoto** - BRUNO LUMBROSO LECTURE

FLORetina Hall

LIVE SURGERIES

BELLE ARTI HALL

CARAVAGGIO HALL

13:30-14:45 LUNCH

LUNCH SYMPOSIA

LUNCH SYMPOSIUM



DEX IMPLANT BENEFITS IN DME PATIENTS' MANAGEMENT

Chairs: Francesco Bandello, Edoardo Midena

- 13:35-13:40 **Francesco Bandello, Edoardo Midena** - Introduzione
- 13:40-13:55 **Edoardo Midena** - The inflammatory rationale behind DME
- 13:55-14:05 **Stela Vujosevic** - Clinical case 1
- 14:05-14:15 **Marco Lupidi** - Clinical case 2
- 14:15-14:25 **J. Chhablani** - Pratical consideration: what we have learned in 5 years
- 14:25-14:30 Discussion

ADVANCES IN IMAGING TECHNOLOGY

Chair: James Fujimoto

Moderators: Bruno Lumbroso, Marco Rispoli

- 14:45-14:52 **Richard Rosen** - Multimodal Cellular Imaging of Macular Hyalocytes: Clinical OCT with Adaptive Optics SLO Interpretation
- 14:52-14:59 **Ravi S. Jonnal** - Human photoreceptor optoretinography: methods and mechanisms
- 14:59-15:06 **Michael Pircher** - Challenges in adaptive optics OCT imaging

LUNCH SYMPOSIUM

INNOVATIONS IMPACTING RETINA SURGERY DISCUSSIONS ABOUT MODERN RETINA SURGERY

*Moderator: Stanislao Rizzo
Speakers: Carl Claes, Ramin Tadayoni*

13:35 - 14:30 LUNCH SYMPOSIUM



- 13:40-13:50 **Angelo Spadaro** - New formulations for intraocular dyes: purity alerts
- 13:50-14:00 **Mario Romano** - Vitreo Lutein versus Triamcinolone: comparison of cytotoxic assays
- 14:00-14:10 **Barbara Parolini** - How to choose between ILM staining and ERM staining
- 14:10 -14:25 Q&A

14:35 - 15:25 SYMPOSIUM





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- 15:06-15:13 **Hao Zhang** - Recent progress in clinical visible-light OCT
- 15:13-15:20 **Yali Jia** - Wide-field & high-resolution OCTA in retinal diseases
- 15:20-15:27 **Siyu Chen** - Ultrahigh speed SS-OCT and OCTA for retinal and anterior eye imaging
- 15:27-15:37 Discussion


MACULOPATHIES: THE BAD CASES, THE RIGHT APPROACH

Chair: Paolo Lanzetta

Moderators: Anat Loewenstein, Ursula Schmidt-Erfurth

- 15:37-15:44 **Yves Salomon Cohen** - Overview of subretinal macular deposits
- 15:44-15:51 **Paolo Lanzetta** - Subfoveal hemorrhage during wet age-related macular degeneration
- 15:51-15:58 **Jay Chhablani** - Macular telangiectasia type 1
- 15:58-16:05 **Ramin Tadayoni** - Optic disc pit maculopathy
- 16:05-16:12 **Nadia Waheed** - Management of high risk eyes against conversion to exudative age-related macular degeneration
- 16:12-16:19 **Daniele Veritti** - Retinitis pigmentosa-associated cystoid macular edema
- 16:19-16:30 Discussion

FLORetina Hall

SYMPOSIUM  **Bayer**

UNLOCKING THE POTENTIAL FOR Q16 DOSING FOR YOUR PATIENTS: FLEXIBILITY, LONG-TERM EFFICACY, AND SAFETY OF AFLIBERCEPT

Moderators: Francesco Bandello, Francesco Faraldi

- 15:30-15:33 **Francesco Bandello, Francesco Faraldi** - Introductions and welcome
- 15:33-15:41 **Lisa Toto** - Durability that works: Proactive, extended dosing in wAMD
- 15:41-15:45 Q&A - **Francesco Bandello, Francesco Faraldi, Lisa Toto**
- 15:45-15:54 **Elisabetta Pilotto** - Fluid in nAMD: A pragmatic approach
- 15:54-15:58 Q&A - **Francesco Bandello, Francesco Faraldi, Elisabetta Pilotto**
- 15:58-16:07 **Sebastian Waldstein** - What is on the horizon for ophthalmology?
- 16:07-16:11 Q&A - **Francesco Bandello, Francesco Faraldi, Sebastian Waldstein**
- 16:11-16:20 **Francesco Bandello, Francesco Faraldi** - Summary and close

BELLE ARTI HALL

FREE PAPERS VASCULAR AND OTHER RETINAL DISEASES OPTIC NERVE

Moderators: Rita Gama, Gilda Cennamo, Michele Borrello

15.15-15.20 - Luísa Vieira, Catarina Guedes Mota, Ricardo Figueiredo, Rita Anjos, Manuel Noronha, Margarida Marques, Rita Flores - Optical coherence tomography Angiography in central retinal artery occlusion

15.20-15.25 - Catarina Cunha Ferreira, S. Teixeira, J. Fernandes, R. Soares, E. Saraiva, L. Ribeiro, S. Fonseca, L. Silva, F. Sousa-Neves - Factors predicting functional and anatomical outcomes after anti-VEGF treatment for macular edema due to branch retinal vein occlusion

15.25-15.30 - Michele Del Borrello, Luigi Tozzi, Pietro Monaco, Luigina Tollot - Paracentral Acute Middle Maculopathy as sequelae of angle closure glaucoma or systemic disease

15.30-15.35 - Rita Gama, Sylvia Gaspar, Rute Sousa da Costa, Joana Chambel Santos, Daniela Cândido da Costa - Evolution of the optic nerve head parameters during childhood - an optical coherence tomography analysis

15.35-15.40 Amanda Le - Management of disc coloboma detachments with multimodal imaging

15.40-15.45 - Matteo Ripa - Retromode Imaging Modality of Epiretinal Membranes
Catarina Cunha Ferreira, D.

CARAVAGGIO HALL

15.00-15.20 MEET THE EXPERT



New approaches in nAMD: surgeon's skills for optimal patient outcomes - **Carl Awh**

16:20-17:15 COFFEE BREAK





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BREAK SYMPOSIA

BREAK SYMPOSIUM

FUNDUS IMAGING INNOVATIONS: DEEPER, WIDER, FASTER, AND MORE INTELLIGENT



Moderator: *Edoardo Midena*

- 16:30-16:40 *Giovanni Staurengi* - When UWF Fluorescein Angiography support OCTA
- 16:40-16:50 *Barbara Parolini* - Fundus imaging without compromise
- 16:50-17:00 *Giuseppe Querques* - Ultra-widefield Fluorescein Angiography
- 17:00-17:15 Discussion

CONTROVERSIES AND CHALLENGES IN RETINA: DEBATES OF THE YEAR

Chair: *Quan Dong Nguyen*

Moderators: *Paolo Lanzetta, Marco Rispoli*

The Debaters

Diana V. Do, Judy E. Kim, Darius M. Moshfeghi, Quan Dong Nguyen, Yasir J. Sepah

THE QUESTIONS:

- 17:15-17:22 Should Anti-VEGF Therapy Be First-Line Treatment for NPDR?
- 17:22-17:25 Televote
- 17:25-17:32 Should All Fluids Be Eliminated in the Management of Neovascular AMD?
- 17:32-17:35 Televote
- 17:35-17:42 Is OCTA Helpful and Necessary for the Busy Retina Specialists?
- 17:42-17:45 Televote

FLORetina Hall

BREAK SYMPOSIUM

EXPERT IN CONVERSATION: THE JOURNEY OF VEGF



Moderators: *Stanislao Rizzo, Francesco Bandello, Giovanni Staurengi*

- 16:30-16:50 *Stela Vujosevic, Marco Lupidi*
Advancing our understanding of the angiopoietin pathway
Pro vs cons on why targeting two signaling pathways for the treatment of DME and nAMD?
- 16:50-17:10 *Paolo Lanzetta, Anat Loewenstein*
Transforming long-term vision: Innovations in technology
Pro vs cons on anti-VEGF continuous delivery in nAMD
- 17:10 **Conclusion**

SYMPOSIUM Apellis

RECENT ADVANCES AND KEY LEARNINGS IN GEOGRAPHIC ATROPHY

Panel: *Giovanni Staurengi, Adnan Tufail, SriniVas Sadda*

- 17:30-17:32 *Giovanni Staurengi* - Introduction
- 17:32-17:44 *Adnan Tufail* - Understanding GA and the role of complement
- 17:44-17:49 Panel discussion
- 17:49-18:01 *SriniVas Sadda* - Key learnings from previous trials in GA
- 18:01-18:06 Panel discussion

BELLE ARTI HALL

João, A. Furtado, F. Sousa-Neves, S. Fonseca, P. Sepúlveda, M. Bilhoto - Vitrectomy for the diagnosis and treatment of focal nodular gliosis

INFLAMMATION COVID

Moderators: *Maria Cristina Savastano, Mojtaba Abrishami*

- 15.45-15.50 - *Kais BenAbderrahim* - Anterior-Segment Optical coherence tomography in the management of anterior scleritis
- 15.50-15.55 - *Bacherini Daniela, Mercuri Stefano, Vannozzi Lorenzo, Minnella Angelo, Caporossi Tomaso, Savastano Maria Cristina, Gambini Gloria, Rizzo Stanislao, Giansanti Fabrizio* - Photoreceptor layer reconstitution in Acute Syphilitic Posterior Placoid Chorioretinopathy imaged by means of Adaptive Optics
- 15.55-16.00 - *Bacherini Daniela, Mercuri Stefano, Vannozzi Lorenzo, Minnella Angelo, Caporossi Tomaso, Savastano Maria Cristina, Gambini Gloria, Rizzo Stanislao, Giansanti Fabrizio* - Photoreceptor layer reconstitution in Acute Syphilitic Posterior Placoid Chorioretinopathy imaged by means of Adaptive Optics
- 16.00-16.05 - *Flavia Chiosi, Gianluigi Manzi, Emma Minutillo, Erica Paolillo Erica, Ciro Costagliola* - Optical Coherence Tomography Angiography Analysis of Vessel Density Indices in Early Post-Covid-19 Patients

16.05-16.10 - *Claudia Fossataro, Maria Cristina Savastano, Stanislao Rizzo* - Retinal Imaging during COVID-19 Pandemic

16.10-16.15 - *Mojtaba Abrishami, Kiana Hassanpour, Seyede Maryam Hosseini* - Macular Vessel Density Reduction in Patients Recovered from COVID-19; A Longitudinal Optical Coherence Tomography Angiography Study

16.20 - 17.15 - COFFEE BREAK

IMAGING

Moderators: *Thomas Theelen, Alessandro Inverizzi*

17.15 - 17.20 - *Nicolas Chateau, Claudia Valdes, Jordi Andilla, Muhammad Faizan Shirazi, Florian Schwarzhans, Konstantinos Ntatsis, Luisa Sanchez Brea, Danilo Andrade De Jesus, Stefan Klein, Kiyoko Gocho, Josselin Gautier, Kate Grieve, Marie Elise Wistrup Torm, Christina Eckmann-Hansen, Abdullah Amini, Nicolas Lefaudeux, Marine Durand, Pablo Loza-Alvarez,*





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THE EYE AS A WINDOW TO SYSTEMIC DISEASES

Chair: *Sandrine Zweifel, Stefano Bonini*

- 17:45-17:52 **Mario Damiano Toro** - Microvascular impairment in systemic sclerosis
- 17:52-17:59 **Maria Cristina Savastano** - Are eyes the window to COVID-19?
- 17:59-18:06 **Sandrine Zweifel** - At the pulse of time: machine vision in retinal videos
- 18:06-18:13 **Tien Y Wong** - Assessment of cardiovascular disease risk via the measurement of retinal-vessel calibre
- 18:13-18:20 **TBC** - Alzheimer's Disease, Dementia and the Eye / Retinal imaging in Alzheimer's and neurodegenerative diseases
- 18:20-18:27 **Alessandro Invernizzi** - Ocular manifestations of infectious diseases
- 18:27-18:37 Discussion

18:37 END OF THE SESSIONS

FLORetina Hall

- 18:06-18:18 **Giovanni Staurenghi** - Recent advances in GA clinical trials
- 18:18-18:23 Panel discussion and Q&A
- 18:23-18:25 **Giovanni Staurenghi** - Summary and close

18:25 END OF THE SESSIONS

BELLE ARTI HALL

Michael Pircher, Theo Van Walsum, Michel Paques, Michael Larsen, Xavier Levecq Multimodal and multiscale retinal imaging with cellular-resolution OCT/OCTA

17.20-17.25 - **Kiyoko Gocho, Elena Gofas, Christophe Rondeau, Céline Chaumette, Kate Grieve, Michel Pâques** - Imaging the retinal pigment epithelium using an adaptive optics camera with transscleral flood illumination

17.25-17.30 - **Deepayan Kar, Yeon Jin Kim, Orin Packer, Dennis M Dacey, Christine A. Curcio** - Neurovascular interactions at photoreceptor synapses in the human outer plexiform layer (OPL) and deep capillary plexus (DCP)

17.30-17.35 - **Ramkailash Gujar** - Optimization of the scanning pattern in OCT-A images in healthy subjects

17.35-17.40 - **Rosa Dolz-Marco** - To evaluate the influence of A-scan rate on optical coherence tomography (OCTA) image acquisition time, quality, and segmentation

17.40-17.45 - **Ramkailash Gujar, Marco Lupidi, Rosa Dolz Marco, Jay Chhablani, Daniela Fruttini, Carlo Cagini** - Optimization of the scanning pattern in OCT-A images in healthy subjects

17.45-17.50 - **Min Wang** - 24 mm Full range high definition swept-source OCT/OCTA brings new opportunities to the clinic

17.50-17.55 - **Thomas Theelen, Timo Mulders, Pat Dhooge, Carel B. Hoyng** - Automated Photoreceptor Counting on Retinal High Magnification Images in Healthy and Pathological Conditions

17.55-18.00 - **Paulo Eduardo Stanga, Reinstein U., Vatas P., Reinstein DZ, Zahavi Ori** - Objective Assessment of Vitreoretinal Interface - Posterior Vitreous Detachment (PVD) Status: New Single Scan Cross-Sectional 3D 23 mm Widefield OCT





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RETINAL IMAGING IN DIABETIC MACULAR EDEMA AND DIABETIC RETINOPATHY

Chairs: Francesco Bandello, Giuseppe Querques

- 8:00-8:06 **Dafna Goldenberg** - Baseline imaging biomarkers in diabetic macular edema
- 8:06-8:12 **Francesco Bandello** - Long-term visual outcomes in DME patients treated with anti-VEGF
- 8:12-8:18 **Ramin Tadayoni** - The role of OCTA in diabetic retinopathy and diabetic macular edema
- 8:18-8:24 **SriniVas Sadda** - The importance of a widefield assessment in diabetic retinopathy
- 8:24-8:30 **Ursula Schmidt-Erfurth** - Deep learning to quantify diabetic macular edema
- 8:30-8:36 **Stela Vujosevic** - Fundus autofluorescence has a role in diabetic retinopathy and diabetic macular edema
- 8:36-8:41 Discussion

ALTERED CHOROID-ASSOCIATED MACULAR DISEASES

Chairs: José María Ruiz Moreno, Francesca Simonelli

- 8:41-8:47 **Suzanne Yzer** - Image subfoveal staphylomas complicated by subretinal fluid by OCTA
- 8:47-9:53 **Francine Behar-Cohen** - Hyperpermeability in CSCRC - correlation with OCT findings
- 8:53-8:59 **Jay Chhablani** - OCTA in Central Serous Chorioretinopathy
- 8:59-9:05 **Rufino Silva** - Polypoidal Choroidal Vasculopathy and OCTA
- 9:05-9:11 **José María Ruiz Moreno** - Myopic maculopathy: poor prognostic findings in OCT and OCTA
- 9:11-9:16 Discussion

UP DATE ON NEW TREATMENTS

Moderator: Benedetto Falsini, Francesco Faraldi

- 9:16-9:22 **Amani Fawzi** - Macular Vascular Diseases
- 9:22-9:28 **Federico Ricci** - Dry AMD
- 9:28-9:34 **Angelo Maria Minnella** - Retinal Morpho-Functional Changes Following 0.19mg Fluocinolone Acetonide Intravitreal Implant for Chronic Diabetic Macular Edema
- 9:34-9:40 **Francesca Simonelli** - Macular Dystrophies
- 9:40-9:46 **Luca Di Antonio** - DME Long term treatment with Fluocinolone Acetonide
- 9:46-9:52 **Daniela Bacherini** - Multimodal imaging in the treatment of macular diseases
- 9:52-9:58 **Massimo Nicolò** - PERSEUS-IT: Italian routine clinical practice with intravitreal Aflibercept therapy in patients with Neovascular Age-Related Macular Degeneration (nAMD)
- 9:58-10:04 **Gilda Cennamo** - OCTA findings in amyotrophic lateral sclerosis
- 10:04-10:09 Discussion

FLORetina Hall

LIVE SURGERIES

BELLE ARTI HALL

FREE PAPERS

AMD-NV - GEOGRAPHIC ATROPHY

Moderators: Marion Munk, Maria Cristina Savastano

9.00-9.05 - **Rita Serras-Pereira, Luísa Vieira, Diogo Maleita, Bruna Cunha, Miguel Vieira, Rita Anjos, Margarida Marques, Rita Flores** - Identifying imagiologic predictors of AMD progression associated with hyperreflective FOCI

9.05-9.10 - **Enrico Borrelli** - Longitudinal assessment of Type 3 Macular Neovascularization using three-dimensional volume rendering OCTA

9.10-9.15 - **Radina Kirkova, I. Tanev** - OCT-A pattern changes in terms of anti-VEGF treatment of mCNV

9.15-9.20 - **Andrea Saitta, Domenico D'Eliseo** - Combined subthreshold yellow micropulse laser and anti-VEGF therapy for treatment of refractory neovascular age-related macular degeneration

9.20-9.25 - **Rita Serra, Antonio Pinna, Florence Coscas** - Optical coherence tomography angiography features of polypoidal choroidal neovascularization in age-related macular degeneration: a fractal analysis study

9.25-9.30 - **Giovanni Staurenghi, Jeffrey Heier, Charles Wykoff, Rishi P. Singh, Nathan Steinle, David Boyer, Jordi Mones, Frank G. Holz, Caleb Bliss, Pascal Deschatelets, Federico Grossi, Cedric Francois, Ramiro Ribeiro** - Efficacy and safety of intravitreal pegcetacoplan in geographic atrophy: results from the phase 3 OAKS and DERBY trials

SPECIAL IRAN SESSION

Moderators: Khalil Ghasemi Falavarjani, Bruno Lumbroso, Marco Lupidi

9.30-9.35 - **Khalil Ghasemi Falavarjani, Pasha Anvari, Johari Mohammad Mehdi, Sayyed Amirpooya Alemzade, Abbas Habibi, Maryam Ashraf Khorasani** - Segmentation error correction in published OCTA articles

9.35-9.40 - **Khalil Ghasemi Falavarjani, Pasha Anvari, Esrafil Shad, Ahad Sedaghat, Fatemeh Abdi** - Intravitreal rTPA before vitrectomy for diabetic tractional retinal detachment

9.40-9.45 - **Pasha Anvari, Mahsa Sardarinia, Khalil Ghasemi Falavarjani** - Accuracy of Peripapillary Optical Coherence Tomography Angiography in Patients with Acute Non-arteritic Anterior Ischemic Optic Neuropathy

9.45-9.50 - **Reza Mirshahi, Hamid Riazi-Esfahani, Elias Khali-li Pour, Kaveh Fadakar, Yarmohamadi P., Sayyed Amirpooya Alemzadeh, Khalil Ghasemi Falavarjani** - Differentiating features of OCT Angiography in Diabetic Macular Edema

9.50-9.55 - **Reza Mirshahi, Masood Naseripour, Ahmad Shojaei, Mohsen Heirani, Pasha Anvari, Sayyed Amirpooya Alemzadeh, Farzan Moodi, Khalil Ghasemi Falavarjani** - Differentiating



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10:09-11:00 COFFEE BREAK

BREAK SYMPOSIUM

NEW IMAGING SOLUTIONS : WIDE FIELD IMAGING AND AI IN DAILY CLINICAL PRACTICE



- 10.10-10.25 **Paulo E. Stanga** - Cross-Sectional, 3D and Topographic Wide field Optical Coherence Tomography (OCT) Imaging of the Peripheral Retina and Vitreoretinal Interface and Assessment of the status of the Posterior Cortical Vitreous
- 10.25-10.40 **Barbara Parolini** - Wide field oct AND octa IN THE Choroidal disease
- 10.40-10.55 **Tariq Aslam** - Combining Human and Artificial Intelligence for widefield OCT-A

VISIONS OF FUTURE BY INDUSTRY

PART 1: CANON, ICARE, NIDEK, OPTOPOL, OPTOVUE, TOPCON, ZEISS

Chair: **Bruno Lumbroso**

- 11:00-11:06 **Angelo Rago** - Shaping the future of Imaging: New Innovations in OCT
- 11:06-11:12 **Marc Abitbol** - Our Vision for the Future of OCT
- 11:12-11:18 **Arkadiusz Chalecki** - Update on REVO Series. New function on the mark
- 11:18-11:24 **Daniele Mantovano** - Establishing the next level of eye care
- 11:24-11:30 **Riccardo Ferraris de Gaspare** - Symbiosis between Technology and Society
- 11:30-11:36 **Adel Bencheikh** - Made For Life
- 11:36-11:42 **Ori Zahavi** - Wide field OCT in daily practice
- 11:42-11:48 **Peter Larsen**

PART 2: OPTOPOL, OUTLOOK THERAPEUTICS, TOMALAB, TOPCON, ZEISS

Chair: **Francesco Faraldi**

- 11:48-11:54 **Francesco Bandello** - Clinical and Efficacy Outcomes of the NORSE TWO. Pivotal Study for ONS-5010, an Ophthalmic Formulation of Bevacizumab
- 11:54-12:00 **Bruno Lumbroso** - Genetics in modern ophthalmology
- 12:00-12:06 **Bartosz L. Sikorski** - Ai in OCT segmentation for posterior and anterior segment
- 12:06-12:12 **Jean Francois Korobelnik** - Advancements in multi-modal imaging
- 12:12-12:18 **Max Akiba**

FLORetina Hall

LIVE SURGERIES

BELLE ARTI HALL

pachychoroid and healthy choroid: a machine learning approach on EDI-OCT images

9.55-10.00 - **Mojtaba Abrishami, Kiana Hassanpour, Seyedeh Maryam Hosseini** - Peripapillary Nerve Fiber Layer Thickness and Optic Nerve Head Parameters in Patients Recovered from COVID-19: a Longitudinal Study

10.00-11.00 COFFEE BREAK

CSC

Moderators: **Daniela Bacherini, Tatiana Iureva**

11.00-11.05 - **Bacherini Daniela, Mercuri Stefano, Serino Federica, Vannozzi Lorenzo, Caporossi Tomaso, Savastano Maria Cristina, Rizzo Stanislao, Giansanti Fabrizio** - Scanning Laser Ophthalmoscopy Retromode Imaging diagnostic ability in detecting outer retinal features in Central Serous Chorioretinopathy compared to Fundus Autofluorescence

11.05-11.10 - **Daniele Libertini, Lisa Toto, Guido Di Marzio, Maria Ludovica Ruggieri, Rossella D'Aloisio, Chiara De Nicola, Anna Romano, Leonardo Mastropasqua** - Short-term comparison navigated subthreshold microsecond pulse laser and oral eplerenone for chronic central serous chorioretinopathy

11.10-11.15 - **Hamid Riazi, Hooshang Faghihi, Elias Khalili Pour, Alireza Mahmoudi, Nazanin Ebrahimiadib, Kaveh Fadakar, Fariha Ghassemi, Ahmad Mirshahi, Alireza Khodabande, Hassan Khojasteh, Fatemeh Bazvand, Golnaz Gharehbaghi, Mohammadreza Mehrabi Bahar, Hamid Riazi-Esfahani** - Choroidal Features in Two Types of Flat Irregular Pigment Epithelial Detachment Associated with Chronic Central Serous Chorioretinopathy: Avacular versus Vascularized

DIABETIC RETINOPATHY

Moderators: **Jorge Ruiz-Medrano, Enrico Borrelli**

11.15-11.20 - **Domenico Grosso, Enrico Borrelli, Mariacristina Paravano, Eliana Costanzo, Maria Brambati, Chiara Viganò, Riccardo Sacconi, Lea Querques, Adelaide Pina, Daniele De Geronimo, Francesco Bandello, Giuseppe Querques** - 3D OCTA in diabetes without DR

11.20-11.25 - **Oswaldo Durán-Carrasco, Rodrigo Abreu-González, Consuelo Fernández-Núñez, Isabel Fabelo Hidalgo, Nicolás Pérez Llombet - Quintana, Gonzalo Quezada-Peralta, Ignacio Llorente-Gómez de Segura** - Usefulness of mesopic and scotopic microperimetry in type 1 diabetics without retinopathy, and its correlation with structural OCT

11.25-11.30 **Nicolò Nicolini, Beatrice Tombolini, Costanza Barresi, Francesco Pignatelli, Rosangela Lattanzio, Francesco Bandello, Maria Vittoria Cicinelli** - Assessment of Diabetic Choroidopathy



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December
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Preliminary Program - SATURDAY

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ARTIFICIAL INTELLIGENCE 2

Chair: Ursula Schmidt-Erfurth

Moderator: Maria Cristina Savastano

- 12:18-12:24 **Ursula Schmidt-Erfurth** - Managing AMD using Artificial Intelligence tools
- 12:24-12:30 **Hrvoje Bogunovic** - Geographic Atrophy and Artificial Intelligence: Disease activity and prediction of progression
- 12:30-12:36 **Anat Loewenstein** - Fluid monitoring at home
- 12:36-12:42 **Gregor Reiter** - Guiding therapy of neovascular AMD in the real world
- 12:42-12:48 **Amitha Domalpally** - Humans versus Artificial Intelligence: pros and cons
- 12:48-12:53 Discussion
- 12:53-12:58 **Domenico Lepore** - Introduction to Darius M. Mosfeghi
- 12:58-13:12 **Darius M. Moshfeghi** - Initial Results from the Longitudinal Retinopathy of Prematurity (LONG-ROP). Study of telemedicine comparison to investigator recall of patient findings

WIDE FIELD OCTA : VALUE AND LIMITATIONS IN DETECTING CAPILLARY NON-PERFUSION

Chairs: Alain Gaudric, Teresio Avitabile

Moderator : Paolo Lanzetta

- 13:12-13:18 **Nadia Waheed** - Progress and limitations in measuring capillary density with WF OCTA : what can we expect in a near future?
- 13:18-13:24 **David Huang** - Ultrawide-field handheld OCT for neonatal examination
- 13:24-13:30 **Marion Munk** - Repeatability of Wide-field Optical Coherence Tomography Angiography in Normal Retina
- 13:30-13:36 **Edoardo Midena** - Wide field multimodal imaging in retinal disorders
- 13:36-13:42 **Francesco Pichi** - Wide-field optical coherence tomography angiography for the detection of proliferative diabetic retinopathy

FLORetina Hall

LIVE SURGERIES

13.00-14.00 LUNCH SYMPOSIUM RETINAWS

BELLE ARTI HALL

Using Ultra-WideField Optical Coherence Tomography

11.30-11.35 - **Costanza Barresi, Enrico Borrelli, Alessandro Feo, Giorgio Lari, Domenico Grosso, Lea Querques, Riccardo Sacconi, Francesco Bandello, Giuseppe Querques** - Clinical Factors associated with Rate of Progressive Inner and Outer Retinal Thinning in Patients with Diabetic Macular Edema

MYOPIA

Moderators: Svetlana Zhukova, Jorge Ruiz-Medrano, Daniela Bacherini

11.35-11.40 - **Svetlana Zhukova, Tatiana Iureva** - Myopic Tilted Disc by Optical Coherence Tomography

11.40-11.45 - **Ignacio Flores-Moreno, Jorge Ruiz-Medrano, Mari-luz Puertas, Rocío Vega-González, José M. Ruiz-Moreno** - Severe pathologic myopia: concept and multimodal imaging study

11.45-11.50 - **Jorge Ruiz-Medrano, Ignacio Flores-Moreno, Elena Almazan-Alonso, María García-Zamora, José M. Ruiz-Moreno** - The relationship between myopic choroidal neovascularization activity and perforating scleral vessels in high myopia

CHOROID

Moderators: Svetlana Zhukova, Jorge Ruiz-Medrano, Daniela Bacherini

11.50-11.55 - **Elias Khalili Pour, Roya Arian, Tahereh Mahmoudi, Hamid Riazi-Esfahani, Rahele Kafieh, Hooshang Faghihi, Ahmad Mirshahi, Fariba Ghassemi, Alireza Khodabande** - Automatic Choroid Vascularity Index Calculation in Optical Coherence Tomography Images low contrast sclerochoroidal junction Using Deep Learning

11.55-12.00 - **Hamid Riazi, Ahmad Mirshahi, Kaveh Fadakar, Reza Mirshahi, Elias Khalili Pour, Nazanin Ebrahimiadib, Fariba Ghassemi, Hassan Khojasteh, Fatemeh Bazvand, Sepideh Ghods, Hamid Riazi-Esfahani, Hooshang Faghihi** - Alterations in Choroidal Vascular Parameters Following Pan-retinal Photocoagulation Using Enhanced-Depth Imaging Optical Coherence Tomography

12.00-12.05 - **Rosa Gutierrez-Bonet, Jorge Ruiz-Medrano, José M. Ruiz-Moreno** - Macular choroidal thickening in keratoconus patients: Swept-Source optical coherence tomography study

GENERAL DISEASES AND OTHER TOPICS

Moderators: Stela Vujosevic, Iannis Theocharis

12.05-12.10 - **Ana Filipa Moleiro, João Barbosa-Breda, Vânia Sousa, Danilo A. Jesus, Francisco Vasques-Nóvoa, Fernando Falcão-Reis, Amândio Rocha-Sousa** - Characterization of the OCTA retinal vasculature abnormalities of heart failure with preserved ejection fraction patients

12.10-12.15 - **Saidane Rahma, Choura R., Ben Sassi R., Khallouli**



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- 13:42-13:48 **Marco Pellegrini, Giovanni Staurengi** - Comparison of wide field OCTA with extended field imaging and fluorescein angiography
- 13:48-13:54 **Aude Couturier** - Comparison of vascular density loss in the midperiphery and macula in WF OCTA to assess the severity of diabetic retinopathy
- 13:54-14:00 **Giuseppe Querques** - Ultra-Widefield imaging in everyday
- 14:00-14:06 Discussion

FLORetina Hall

13.00-14.00 SYMPOSIUM RETINAWS

BELLE ARTI HALL

A., Gouider Dhouha., Maalej Afef, Mezoughi I., Riadh Rannen, Gharsallah H. - Retinal microvasculature and Hyperbaric oxygen therapy: Quantitative Analysis Using Optical Coherence Tomography Angiography

12.15-12.20 - Catarina Guedes Mota, Luísa Vieira, Nelson Camacho, Ana Papoila, Rufino Silva, Carlos Neves, Rita Flores - Is there a place for ophthalmological screening of internal carotid artery stenotic diseases patients

12.20-12.25 - Luísa Vieira, Catarina Guedes Mota, Ana Papoila, Marta Alves, Gonçalo Almeida, Frederico Gonçalves, Rita Flores Retinal morphologic changes in internal carotid artery stenosis: a case-control study

12.25-12.30 - Nihal Adel Hassan, Dina Osama - OCT angiogram using swept source Optical Coherence Tomography in patients of systemic lupus erythematosus

12.30-12.35 - Gloria Gambini, Maria Cristina Savastano, Umberto De Vico, Alfonso Savastano, Silvia Fiore, Enrico De Lorenzis, Silvia Boselli, Stanislao Rizzo - Optical Coherence Tomography Angiography Analysis Of The Corio-Retinal Microvascular Involvement In Systemic Sclerosis

12.35-12.40 - Ioannis Theocharis, Nikos Lagaros - Model analysis of the posterior pole mechanics simulating ocular movements

PERIPHERAL RETINA / ANTERIOR SEGMENT

Moderators Svetlana Zhukova, Maria Vittoria Cicinelli, Claudio Iovino

12.40-12.45 - Pietro Monaco, Maurizio Ragusa, Oletta Brentel, Luigina Tollot - Primary and Secondary laser effect imaged with spectral-domain optical coherence tomography 2 in peripheral retinal breaks and retinal holes

12.45-12.50 - Maria Vittoria Cicinelli, Alessandro Rabiolo, Giovanni Montesano, Alessandro Marchese, Costanza Barresi, Ugo Introvini, Maurizio Battaglia Parodi, Francesco Bandello - Prognostic implications of repair tissue proliferation in eyes with retinal pigment epithelium tears

12.50-12.55 - Claudio Iovino, Enrico Peiretti, Mirco Braghiroli, Filippo Tatti, Abhilasha Aloney, Michele Lanza, Jay Chhablani - OCTA of the Iris: Current Limitations and Future Perspective

12.55-13.00 - Elias Khalili Pour, Mohammad Zarei, Tahereh Mahmoudi, Hamid Riazi-Esfahani, Behnam Mousavi, Nazanin Ebrahimiadib, Mehdi Yaseri, Hossein Arabalibeik - Automated measurement of iris surface smoothness using anterior segment optical coherence tomography

14:06 FINGER LUNCH

IMAGE GALLERY

Joseph Carroll, Brandon Lujan

Most interesting OCT or OCT Angiography images will roll through on a monitor in the exhibit area throughout the meeting and will be seen daily by all participants.

Dr. Joseph Carroll and Dr. Brandon Lujan will select a winner from the submitted cases to receive a prize at the close of the meeting.