

December 17-18, 2021 - Rome - Cavalieri Congress Center

# IC<sup>3</sup>OR

9° International Congress on OCT  
and OCT angiography in Rome

# FLO<sup>3</sup>Retina

NOV  
2021

**Organizers:**

Stanislao Rizzo,  
Bruno Lumbroso

**Scientific Committee:**

Francesco Bandello, Italy  
Francesco Faraldi, Italy  
James Fujimoto, United States  
Alain Gaudric, France  
David Huang, United States  
Paolo Lanzetta, Italy  
Yali Jia, United States  
Anat Loewenstein, Israel  
Quan Dong Nguyen, United States  
Marco Rispoli, Italy  
David Sarraf, United States  
Ursula Schmidt-Erfurth, Austria  
Eric Souied, France

**Organizing Committee:**

Maria Cristina Savastano,  
Daniela Bacherini

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Fondazione Policlinico Universitario Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore



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## Speakers

- Kais Ben Abderrahim *Tunisia*  
Marc Abitbol *France*  
Mojtaba Abrishami *Iran*  
Max Akiba *Japan*  
Khalid Al Sabti *Kuwait*  
Pasha Anvari *Iran*  
Romolo Appolloni *Italy*  
Tariq Aslam *United Kingdom*  
Albert Augustin *Germany*  
Teresio Avitabile *Italy*  
Carl Awh *USA*  
Daniela Bacherini *Italy*  
Ernesto Bali *Belgium*  
Francesco Bandello *Italy*  
Adiel Barak *Israel*  
Francesco Barca *Italy*  
Costanza Barresi *Italy*  
Francine Behar-Cohen *Switzerland*  
Adel Bencheikh *Belgium*  
Bernardo Billi *Italy*  
George Blatsios *Greece*  
Hrvoje Bogunović *Austria*  
Stefano Bonini *Italy*  
Enrico Borrelli *Italy*  
Francesco Boscia *Italy*  
Nicolas Bruel *France*  
Peter Campbell *USA*  
Tomaso Caporossi *Italy*  
Luigi Caretti *Italy*  
Joseph Carroll *USA*  
Gilda Cennamo *Italy*  
Usha Chakravarthy *United Kingdom*  
Arkadiusz Chalecki *Poland*  
Nicolas Chateau *France*  
Paolo Chelazzi *Italy*  
Siyu Chen *USA*
- Carol Cheung *Hong Kong*  
Jay Chhablani *USA*  
Flavia Chiosi *Italy*  
Toco Yuen Ping Chui *USA*  
Antonio Ciardella *Italy*  
Maria Vittoria Cicinelli *Italy*  
Carl Claes *Belgium*  
Marco Coassin *Italy*  
Yves Salomon Cohen *France*  
Michele Coppola *Italy*  
Aude Couturier *France*  
Catarina Cunha Ferreira *Portugal*  
Donald D'Amico *USA*  
Michele Della Corte *Italy*  
Xiaoyan Ding *China*  
Diana V. Do *USA*  
Rosa Dolz-Marco *Spain*  
Amitha Domalpally *USA*  
Corinne Dot *France*  
Oswaldo Durán-Carrasco *Spain*  
Claus Eckardt *Germany*  
David Eichenbaum *USA*  
Adil El Maftouhi *France*  
Leila El Matri *Tunisia*  
Ehab El-Rayes *Egypt*  
Benedetto Falsini *Italy*  
Francesco Faraldi *Italy*  
Amani Fawzi *USA*  
Vincenzo Ferrara *Italy*  
Riccardo Ferraris De Gaspare *Italy*  
Fabio Fiormonte *Italy*  
Ignacio Flores-Moreno *Spain*  
Claudia Fossataro *Italy*  
James Fujimoto *USA*  
Rita Gama *Portugal*  
Gloria Gambini *Italy*
- José García-Arumí *Spain*  
Alain Gaudric *France*  
Ilias Georgalas *Greece*  
Khalil Ghasemi Falavarjani *Iran*  
Kiyoko Gocho *France*  
Dafna Goldenberg *Israel*  
Stratos Gotzaridis *Greece*  
Domenico Grosso *Italy*  
Catarina Guedes Mota *Portugal*  
Ramkailash Gurjar *Italy*  
Rosa Gutiérrez Bonet *Spain*  
Nihal Adel Hassan *Egypt*  
David Huang *USA*  
Amanda Ie *United Kingdom*  
Alessandro Invernizzi *Italy*  
Claudio Iovino *Italy*  
Yali Jia *USA*  
Ravi S. Jonnal *USA*  
Deepayan Kar *USA*  
Judy E. Kim *USA*  
Radina Kirkova *Bulgaria*  
Jean Francois Korobelnik *France*  
Paolo Lanzetta *Italy*  
Domenico Lepore *Italy*  
Guido Lesnoni *Italy*  
Daniele Libertini *Italy*  
Anat Loewenstein *Israel*  
Massimo Lorusso *Italy*  
Brandon Lujian *USA*  
Bruno Lumbroso *Italy*  
Marco Lupidi *Italy*  
Gianluca Manni *Italy*  
Daniele Mantovano *Italy*  
Antonio Marino *Italy*  
Cesare Mariotti *Italy*  
Leonardo Mastropasqua *Italy*





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Stefano Mercuri *Italy*  
Edoardo Midena *Italy*  
Alexandra Miere *France*  
Angelo Maria Minnella *Italy*  
Reza Mirshahi *Iran*  
Ana Filipa Moleiro *Portugal*  
Pietro Monaco *Italy*  
Darius M. Moshfeghi *USA*  
Marion Munk *Switzerland*  
Marco Mura *Italy*  
Quan Dong Nguyen *USA*  
Massimo Nicolò *Italy*  
Fumio Ohue *Japan*  
Claudio Panico *Italy*  
George Pappas *Greece*  
Stratis Parikakis *Greece*  
Barbara Parolini *Italy*  
Fabio Patelli *Italy*  
Daniel Pauleikhoff *Germany*  
Enrico Peiretti *Italy*  
Marco Pellegrini *Italy*  
Grazia Pertile *Italy*  
Petros Petrou *Greece*  
Francesco Pichi *United Arab Emirates*  
Marco Andrea Pileri *Italy*  
Elisabetta Pilotto *Italy*  
Michael Pircher *Austria*  
Elias Khalili Pour *Iran*  
Giuseppe Querques *Italy*  
Angelo Rago *USA*  
Michele Reibaldi *Italy*  
Gregor Reiter *Austria*  
Kourous Rezaei *USA*
- Flavio Rezende *Greece*  
Hamid Riazi *Iran*  
Federico Ricci *Italy*  
Matteo Ripa *Italy*  
Marco Rispoli *Italy*  
Stanislao Rizzo *Italy*  
Mario Romano *Italy*  
Richard Rosen *USA*  
Tommaso Rossi *Italy*  
José María Ruiz Moreno *Spain*  
Jorge Ruiz-Medrano *Spain*  
Riccardo Sacconi *Italy*  
Srinivas Sadda *USA*  
José-Alain Sahel *France*  
Rahma Saidane *Tunisia*  
Andrea Saitta *Italy*  
David Sarraf *USA*  
Alfonso Savastano *Italy*  
Maria Cristina Savastano *Italy*  
Ursula Schmidt-Erfurth *Austria*  
Roy Schwartz *United Kingdom*  
Yasir J. Sepah *USA*  
Rita Serra *Italy*  
Rita Serras-Pereira *Portugal*  
Syed M. Shah *USA*  
Bartosz L. Sikorski *Poland*  
Rufino Silva *Portugal*  
Francesca Simonelli *Italy*  
Sobha Sivaprasad *United Kingdom*  
Eric Souied *France*  
Angelo Spadaro *Italy*  
Richard Spaide *USA*  
Peter Stalmans *Belgium*  
Paulo E. Stanga *United Kingdom*
- Giovanni Staurenghi *Italy*  
Jennifer Sun *USA*  
Peter Szurman *Germany*  
Ramin Tadayoni *France*  
Ciro Tamburrelli *Italy*  
Francesco Testa *Italy*  
Thomas Theelen *The Netherlands*  
Ioannis Theocharis *Greece*  
Beatrice Tombolini *Italy*  
Mario Damiano Toro *Poland*  
Lisa Toto *Italy*  
Luigi Tozzi *Italy*  
Adnan Tufail *United Kingdom*  
Maria Vadalà *Italy*  
Agostino Vaiano *Italy*  
Daniele Veritti *Italy*  
Luísa Vieira *Portugal*  
Stela Vujosevic *Italy*  
Nadia Waheed *USA*  
Min Wang *China*  
Rishard Rami Weitz *Canada*  
Tien Yin Wong *Singapore*  
Suzanne Yzer *The Netherlands*  
Ori Zahavi *The Netherlands*  
Hao Zhang *USA*  
Chun Zhang *China*  
Svetlana Zhukova *Russia*  
Dinah Zur *Israel*  
Sandrine Zweifel *Switzerland*

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## Program - FRIDAY

### IC<sup>OO</sup>OR 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, Francesco Bandello, Paolo Lanzetta*

*Moderators: Daniela Bacherini, Lisa Toto*

8:38-8:45 **David Sarraf** - Spectrum of exudative non-neovascular AMD (NEAD)

8:45-8:52 **Daniel Pauleikhoff** - Spectrum of neovascular AMD (MNV) and its transformation during anti-VEGF therapy

8:52-8:59 **Richard Spaide** - Venus overload choroidopathy

8:59-9:06 **Alain Gaudric** - MacTel type 2 by OCT and OCTA

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

### FLO<sup>OO</sup>Retina Hall

#### 8:00-13:30 LIVE SURGERIES

##### CHAIRS FROM POLICLINICO GEMELLI

*Donald J. D'Amico, Grazia Pertile, Claus Eckardt*

##### CHAIRS FROM FLORETINA HALL

*Francesco Barca, Bernardo Billi, Antonio Ciardella, Marco Coassin, Francesco Faraldi, Rodolfo Mastropasqua, Enrico Peiretti, Mario Romano*

#### SURGEONS

##### Rome

*Tomaso Caporossi,  
Luigi Caretti,  
Antonio Marino,  
Cesare Mariotti,  
Claudio Panico,  
Alfonso Savastano*

##### Bari

*Francesco Boscia,  
Vincenzo Ferrara,  
Fabio Patelli*

##### Cina

*Chun Zhang*

##### Sulzbach (Germany)

*Peter Szurman*

##### Tel Aviv (Israel)

*Adiel Barak*

### BELLE ARTI HALL

### CARAVAGGIO HALL





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## Program - FRIDAY

### IC<sup>OR</sup> Hall

#### 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** - Subretinal hyper-reflective material and pigment epithelial detachments: a HAWK and HARRIER analysis
- 10:06-10:13 **Marion Munk** - Standardization of OCTA nomenclature in retinal diseases
- 10:13-10:20 Discussion

#### 10:20-11:20 COFFEE BREAK

#### 10:20-11:20 BREAK SYMPOSIUM OCT-A INNOVATIONS: DEEPER, WIDER AND BEYOND OPHTHALMOLOGY

*(Coffee Break available for the first 200 attendees)*

*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



### FLO<sup>Retina</sup> Hall

#### LIVE SURGERIES

### BELLE ARTI HALL

### CARAVAGGIO HALL

#### 10:20-11:20 BREAK SYMPOSIUM



#### INNOVATIONS IN VITREORETINAL STAINING *(Coffee Break available for the first 100 attendees)*

*Moderators: Michele Coppola,  
Mario Romano*

- 10:20-10:35 **Angelo Spadaro**  
New formulations

#### 10:00-10:20 MEET THE EXPERT



**Brolucizumab: l'arte della  
risoluzione del fluido**  
*Giovanni Staurenghi,  
Maria Vadalà*



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## Program - FRIDAY

### ICOR Hall

#### ARTIFICIAL INTELLIGENCE 1

**Chairs:** Anat Loewenstein, Paolo Lanzetta

**Moderators:** Dafna Goldenberg, Dinah Zur, Maria Cristina Savastano

- 11:20-11:27 **Ursula Schmidt-Ehrlert** - 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 : GA in AMD versus Macular dystrophies
- 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

**Moderators:** Giuseppe Querques, Joseph Carroll

- 12:12-12:19 **Jennifer Sun** - OCTA Projection Artifact Removal: Impact on Capillary Density and Interaction with Diabetic Retinopathy Severity
- 12:19-12:26 **Amani Fawzi** - Complex Multi-layered Choroidal Neovascular Membranes are Associated with Choriocapillaris Flow Deficits

### FLORetina Hall

#### LIVE SURGERIES

### BELLE ARTI HALL

- 10:35-10:50 for intraocular dyes: purity alerts  
**Mario Romano**  
Vitreous Lutein versus Triamcinolone: comparison of cytotoxic assays
- 10:50-11:05 **Tommaso Rossi**  
Dyes and tracers for vitreous surgery: make the right choice
- 11:05-11:20 **Barbara Parolini**  
My personal experience with Lutein-based dyes

### CARAVAGGIO HALL

10:20-10:40  
MEET THE EXPERT



**Brolucizumab: l'arte della risoluzione del fluido**  
Giovanni Staurenghi,  
Maria Vadalà

11:30-11:50  
MEET THE EXPERT



**ACADEMY**  
Marco Rispoli, Adil  
El Maftouhi, Nicolas Bruel





## Program - FRIDAY

### IC<sup>OO</sup>OR Hall

- 12:26-12:33 **Xiaoyan Ding** - Quantitative projection-resolved outer retinal angiogram in determining activity of myopic CNV
- 12:33-12:40 **Toco Y. P. 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 OCT
- 12:47-12:54 **Joseph Carroll** - Issues Affecting Accuracy of OCTA Biomarkers
- 12:54-13:04 Discussion

#### BRUNO LUMBROSO LECTURE

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

### FLO<sup>OO</sup>Retina Hall

**LIVE SURGERIES**

### BELLE ARTI HALL

### CARAVAGGIO HALL

## 13:30-14:45 LUNCH

### LUNCH SYMPOSIA

#### 13:35-14:30 LUNCH SYMPOSIUM



#### DEX IMPLANT BENEFITS IN DME PATIENTS' MANAGEMENT

*(Lunch boxes available for the first 200 attendees)*

**Chairs: Francesco Bandello, Edoardo Midena**

- 13:35-13:40 **Francesco Bandello, Edoardo Midena** - Introduction
- 13:40-13:55 **Edoardo Midena** - The inflammatory rationale behind DME
- 13:55-14:05 **Stela Vujosevic** - Clinical case 1

#### 13:35-14:30 LUNCH SYMPOSIUM



#### INNOVATIONS IMPACTING RETINA SURGERY DISCUSSIONS ABOUT MODERN RETINA SURGERY

*(Lunch boxes available for the first 200 attendees)*

**Moderator: Stanislao Rizzo**

- Speakers: Carl Claes, Ramin Tadayoni**
- 13:35-13:40 **Stanislao Rizzo** - Welcome and introduction
- 13:40-13:55 **Carl Claes, Ramin Tadayoni, Stanislao Rizzo** - Diabetic Retinopathy management with beveled cutters in 25G





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### IC<sup>OO</sup>OR Hall

- 14:05-14:15 **Marco Lupidi** - Clinical case 2
- 14:15-14:25 **Jay Chhablani** - Practical consideration: what we have learned in 5 years. Redefining routine care in DME
- 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
- 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, Michele Reibaldi**

- 15:37-15:44 **Yves Salomon Cohen** - Outer Foveal Micro-Defects

### FLORetina Hall

- 13:55-14:10 **Carl Claes, Ramin Tadayoni, Stanislao Rizzo** - A glimpse of advanced 27G surgery with dual-blade cutters
- 14:10-14:25 **Carl Claes, Ramin Tadayoni, Stanislao Rizzo** - A way to atraumatic ILM peeling – focus on the tip and ergonomics
- 14:25-14:30 **Stanislao Rizzo** - Closing

#### 14:35 - 15:29 FLORetina INNOVATION SYMPOSIUM

- 14:35-14:41 **Carl Awh** - Peel-Induced Maculopathy (PIM) following membrane peeling using a Micro-Vacuum Pick (MVP) vs. Forceps
- 14:41-14:44 Discussion
- 14:44-14:50 **Carl Claes** - New techniques in no neonatal surgery
- 14:50-14:53 Discussion
- 14:53-14:59 **José García-Arumí** - Surgical management of endophthalmitis
- 14:59-15:02 Discussion
- 15:02-15:08 **Donald J. D'Amico** - Viscostretch, a New Technique for Medium-sized Failed Macular Holes
- 15:08-15:11 Discussion
- 15:11-15:17 **Stanislao Rizzo** - A new Artificial Retina for severe visual loss in retinitis pigmentosa patients
- 15:17-15:20 Discussion
- 15:20-15:26 **Albert Augustin** - Samsara Vision's Telescope Implant for Macular Degeneration
- 15:26-15:29 Discussion

### BELLE ARTI HALL

### CARAVAGGIO HALL

#### FREE PAPERS VASCULAR AND OTHER RETINAL DISEASES OPTIC NERVE

**Moderators: Rita Gama, Gilda Cennamo, Michele Del 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

#### 15:00-15:20 MEET THE EXPERT

**Roche**

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







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- 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

### FLO<sup>OO</sup>Retina Hall

- 15:29-16:20 SYMPOSIUM**  **Bayer**  
**UNLOCKING THE POTENTIAL FOR Q16 DOSING FOR YOUR PATIENTS: FLEXIBILITY, LONG-TERM EFFICACY, AND SAFETY OF AFLIBERCEPT**  
**Moderators: Francesco Bandello, Francesco Faraldi**
- 15:29-15:32 **Francesco Bandello, Francesco Faraldi** - Introductions and welcome
  - 15:32-15:41 **Lisa Toto** - Durability that works: Proactive, extended dosing in wAMD
  - 15:41-15:45 **Francesco Bandello, Francesco Faraldi, Lisa Toto** - Q&A
  - 15:45-15:54 **Elisabetta Pilotto** - Fluid in nAMD: A pragmatic approach
  - 15:54-15:58 **Francesco Bandello, Francesco Faraldi, Elisabetta Pilotto** - Q&A
  - 15:58-16:07 **Tariq Aslam** - The digital revolution and the future of retinal disease management
  - 16:07-16:11 **Francesco Bandello, Francesco Faraldi, Tariq Aslam** - Q&A
  - 16:11-16:20 **Francesco Bandello, Francesco Faraldi** - Summary and close

### BELLE ARTI HALL

and anatomical outcomes after anti-VEGF treatment for macular edema due to branch retinal vein occlusion

**15:25-15:30 - Luigi Tozzi, Michele Del Borrello, Pietro Monaco, Luigina Tolot** - Paracentral Acute Middle Maculopathy as sequela 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 Ie, CK Patel, Kanmin Xue** - Management of disc coloboma detachments with multimodal imaging

**15:40-15:45 - Matteo Ripa** - Retromode Imaging Modality of Epiretinal Membranes

**15:45-15:50 - Catarina Cunha Ferreira, D. 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, Daniela Bacherini**

**15:50-15:55 - Kais Ben Abderahim** - Anterior-Segment Optical coherence tomography in the management of anterior scleritis

**15:55-16:00 - Daniela Bacherini, Stefano Mercuri, Lorenzo Vannozzi, Angelo Minnella, Tomaso**

### CARAVAGGIO HALL

**16:00-16:20**  
**MEET THE EXPERT**

 **NOVARTIS**

**Voretigene Neparvovec: distrofie retiniche ereditarie, RPE65 guidate, nei pazienti pediatrici**  
*Michele Della Corte, Francesco Testa*

**16:20-16:40**  
**MEET THE EXPERT**

 **NOVARTIS**

**Voretigene Neparvovec: distrofie retiniche ereditarie, RPE65 guidate, nei pazienti adulti**  
*Stanislao Rizzo, Benedetto Falsini*

**16:20-17:15 COFFEE BREAK**





# IC<sup>OO</sup>OR

9° International Congress on OCT and OCT angiography in Rome

# FLO<sup>OO</sup>Retina

# 2021

Under the Patronage of

**Gemelli**

Fondazione Policlinica Universitaria Agostino Gemelli IRCCS  
Università Cattolica del Sacro Cuore

**December 17 and 18, 2021**

Rome - Cavalieri Congress Center

## Program - FRIDAY

### IC<sup>OO</sup>OR Hall

#### BREAK SYMPOSIA

#### 16:30-17:15 BREAK SYMPOSIUM FUNDUS IMAGING INNOVATIONS: DEEPER, WIDER, FASTER, AND MORE INTELLIGENT



(Coffee Break available for the first 100 attendees)

**Moderator: Edoardo Midena**

- 16:30-16:40 **Giovanni Staurenghi** - Ultra-widefield fundus imaging
- 16:40-16:50 **Mario Romano** - Roll of Ultra-widefield fundus imaging in Vitreoretinal Surgery
- 16:50-17:00 **Giuseppe Querques** - Combined wide-field imaging in grading diabetic retinopathy
- 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, David Eichenbaum, Judy E. Kim, Darius M. Moshfeghi, Quan Dong Nguyen, Yasir J. Sepah, Syed M. Shah**

#### THE QUESTIONS:

- 17:15-17:22 Should Anti-VEGF Therapy Be First-Line Treatment for NPDR?  
**Diana V. Do vs Darius Moshfeghi**
- 17:22-17:29 Should All Fluids Be Eliminated in the Management of Neovascular AMD?  
**David Eichenbaum vs Judy E. Kim**

### FLO<sup>OO</sup>Retina Hall

#### 16:30-17:10 BREAK SYMPOSIUM EXPERT IN CONVERSATION: THE JOURNEY OF VEGF



(Coffee Break available for the first 100 attendees)

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

- 16:30-16:35 **Stanislao Rizzo** - Introduction
- 16:35-16:40 **Francesco Bandello** - Advancing our understanding of the angiopoietin pathway
- 16:40-16:50 **Stela Vujosevic, Marco Lupidi** - Why targeting two signaling pathways for the treatment of DME and nAMD?
- 16:50-16:55 **Giovanni Staurenghi** - Transforming long-term vision: innovations in technology
- 16:55-17:05 **Anat Loewenstein, Paolo Lanzetta** - Anti-VEGF continuous delivery in nAMD
- 17:05-17:10 **Stanislao Rizzo** - Conclusion

#### 17:30-18:30 SYMPOSIUM **Apellis** KEY LEARNINGS AND RECENT ADVANCES IN GEOGRAPHIC ATROPHY

**Panel: Giovanni Staurenghi, Adnan Tufail, Anat Loewenstein**

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

### BELLE ARTI HALL

**Caporossi, Maria Cristina Savastano, Gloria Gambini, Stanislao Rizzo, Fabrizio Giansanti** - 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, Seyedeh Maryam Hosseini** - Macular Vessel Density Reduction in Patients Recovered from COVID-19; A Longitudinal Optical Coherence Tomography Angiography Study

#### 16:15 - 17:15 - COFFEE BREAK

#### IMAGING

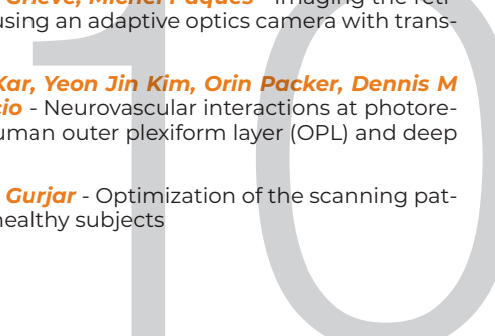
**Moderators: Enrico Borrelli, Daniela Bacherini, Mariano Cozzi**

**17:15 - 17:20 - Nicolas Chateau, Claudia Valdes, Jordi Andilla, Muhammad Faizan Shirazi, Florian Schwarzahans, 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, 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 transcleral 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 Gurjar** - Optimization of the scanning pattern in OCT-A images in healthy subjects





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## Program - FRIDAY

### ICOR Hall

- 17:29-17:36 Is OCTA Helpful and Necessary for the Busy Retina Specialists?  
**Yasir J. Sepah vs Syed M. Shah**
- 17:36-17:45 Discussion

#### THE EYE AS A WINDOW TO SYSTEMIC DISEASES

**Chairs: Sandrine Zweifel, Stefano Bonini**

**Moderator: Maria Cristina Savastano**

- 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 measurement of retinal vessel caliber
- 18:13-18:20 **Carol Cheung** - Retinal imaging in Alzheimer's disease
- 18:20-18:27 **Mariano Cozzi** - Ocular manifestations of infectious diseases
- 18:27-18:37 Discussion

### FLORetina Hall

- 18:01-18:06 Panel discussion
- 18:06-18:18 **Giovanni Staurenghi** - Recent advances in GA clinical trials
- 18:18-18:28 Panel discussion and Q&A
- 18:28-18:30 **Giovanni Staurenghi** - Summary and close

### BELLE ARTI HALL

- 17:35-17:40 - Rosa Dolz-Marco** - The influence of A-scan rate on OCTA image acquisition time, quality and segmentation
- 17:40-17:45 - Ramkailash Gurjar, Marco Lupidi, Marco Chiapponi, Rosa Dolz Marco, Jay Chhablani, Daniela Fruttini, Carlo Cagini** - Vascular Perfusion Variability in Diabetic Retinopathy. A Sequential Interscan Optical Coherence Tomography Angiography Assessment
- 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 E. Stanga, Ursula Reinstejn, Pooja Vatas, Dan Z. Reinstejn, Ori Zahavi** - Objective Assessment of Vitreoretinal Interface - Posterior Vitreous Detachment (PVD) Status: New Single Scan Cross-Sectional 3D 23 mm Widefield OCT

18:30 END OF THE SESSIONS



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## Program - SATURDAY

### IC<sup>3</sup>OR Hall

#### 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** - Importance of 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*

**Moderators:** *Rodolfo Mastropasqua, Massimo Nicolò*

- 8:41-8:47 **Suzanne Yzer** - Image subfoveal staphylomas complicated by subretinal fluid by OCTA
- 8:47-8:53 **Francine Behar-Cohen** - Hyperpermeability in CSCR-correlation with OCT findings
- 8:53-8:59 **Jay Chhablani** - OCTA in Central Serous Choroidopathy
- 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

### FLORetina Hall

#### 8:00-13:00 LIVE SURGERIES

##### CHAIRS FROM POLICLINICO GEMELLI

*Donald J. D'Amico, Fabio Patelli, Claus Eckardt*

##### CHAIRS FROM ATHENS

*Stratis Parikakis, Stratos Gotzaridis*

##### CHAIRS FROM FLORETINA HALL

*Romolo Appolloni, Francesco Boscia, Fabio Fiormonte, Guido Lesnoni, Marco Andrea Pileri, Tommaso Rossi, Ciro Tamburrelli, Agostino Vaiano*

#### SURGEONS

##### Rome

*Ernesto Bali, Paolo Chelazzi, Carl Claes, Marco Mura, Stanislao Rizzo, Mario Romano*

##### Leuven (Belgium)

*Peter Stalmans*

##### Cairo (Egypt)

*Ehab El-Rayes*

##### Kuwait City

*Khalid Al Sabti*

##### Athens (Greece)

*George Blatsios, Ilias Georgalas, Stratos Gotzaridis, George Pappas, Petros Petrou, Flavio Rezende*

### 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** - *Massimo Lorusso* - Evolution of naive non exudative type 1 macular neovascularization detected by OCT angiography

**9:15-9:20** - *Radina Kirkova, I. Tanev* - OCT-A pattern changes in terms of anti-VEGF treatment of mCNV

**9:20-9:25** - *Andrea Saitta, Domenico D'Eliseo* - Combined subthreshold yellow micropulse laser and anti-VEGF therapy for treatment of refractory neovascular age-related macular degeneration

**9:25-9:30** - *Rita Serra, Antonio Pinna, Florence Coscas* - Optical coherence tomography angiography features of polypoidal choroidal neovascularization in age-related macular degeneration: a fractal analysis study

**9:30-9:35** - *Giovanni Staurenghi, Jeffrey Heier, Charles Wyckoff, 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

**9:35-9:40** *Riccardo Sacconi, Paolo Forte, Beatrice Tombolini, Domenico Grosso, Federico Fantaguzzi, Lea Querques, Francesco Bandello, Giuseppe Querques* - Baseline optical coherence tomography predictors of 3-year visual outcome for type 3 macular neovascularization

#### SPECIAL IRAN SESSION

**Moderators:** *Bruno Lumbroso, Marco Lupidi*

**9:40-9:45** - *Khalil Ghasemi Falavarjani, Pasha Anvari, Johari Mohammad Mehdi, Sayyed Amirpooya Alemzade, Abbas Habibi, Maryam Ashraf Khorasani* - Segmentation error correction in published OCTA articles

**9:45-9:50** - *Khalil Ghasemi Falavarjani, Pasha Anvari, Esrafil Shad, Ahad Sedaghat, Fatemeh Abdi* - Intravitreal recombinant tPA before vitrectomy for diabetic tractional retinal detachment; a randomized controlled trial



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## Program - SATURDAY

### IC<sup>3</sup>OR Hall

#### UP DATE ON NEW TREATMENTS

**Chairs:** Francine Behar-Cohen, Benedetto Falsini

**Moderators:** Francesco Faraldi, Angelo Maria Minnella

- 9:16-9:22 **Amani Fawzi** - Diabetic Retinopathy Vascular Imaging, the OCTA Perspective
- 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 **Lisa Toto** - DME Long term treatment with Fluocinolone Acetonide
- 9:46-9:52 **Daniela Bacherini** - New multimodal imaging in vitreoretinal 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

#### 10:09-11:00 COFFEE BREAK

#### 10:10-10:55 BREAK SYMPOSIUM



CANON MEDICAL

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

(Coffee Break available for the first 200 attendees)

- 10:10-10:25 **Paulo E. Stanga** - Cross-Sectional, 3D and Topographic Wide field Optical Coherence Tomography (OCT) Imaging

### FLORetina Hall

#### LIVE SURGERIES

### BELLE ARTI HALL

**9:50-9:55** - **Pasha Anvari, Mahsa Sardarinia, Khalil Ghasemi Falavarjani** - Accuracy of Peripapillary Optical Coherence Tomography Angiography in Patients with Acute Non-arteritic Anterior Ischemic Optic Neuropathy

**9:55-10:00** - **Reza Mirshahi, Hamid Riazi-Esfahani, Elias Khalili Pour, Kaveh Fadakar, Yarmohamadi P., Sayyed Amirpooya Alemzadeh, Khalil Ghasemi Falavarjani** - Differentiating features of OCT Angiography in Diabetic Macular Edema

**10:00-10:05** - **Reza Mirshahi, Masood Naseripour, Ahmad Shojaei, Mohsen Heirani, Pasha Anvari, Sayyed Amirpooya Alemzadeh, Farzan Moodi, Khalil Ghasemi Falavarjani** - Differentiating pachychoroid and healthy choroid: a machine learning approach on EDI-OCT images

**10:05-10:10** - **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

#### 10:10-11:00 COFFEE BREAK

#### CSC

**Moderators:** Daniela Bacherini, Maria Cristina Savastano

**11:00-11:05** - **Stefano Mercuri, Daniela Bacherini, Federica Serino, Lorenzo Vannozzi, Tomaso Caporossi, Maria Cristina Savastano, Stanislao Rizzo, Fabrizio Giansanti** - Scanning Laser Ophthalmoscopy Retromode Imaging diagnostic ability in

### CARAVAGGIO HALL

10.00-12.00  
INTRODUCING



**Marsh**





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## Program - SATURDAY

### IC<sup>OO</sup>OR Hall

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

**Chairs: Bruno Lumbroso, Elisabetta Pilotto**

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 **Fumio Ohue** - Topcon breakthrough innovations: the future is now

### FLO<sup>OO</sup>Retina Hall

#### LIVE SURGERIES

### BELLE ARTI HALL

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 Fadaakar, Fariba Ghassemi, Ahmad Mirshahi, Alireza Khodabande, Hassan Khojasteh, Fatemeh Bazvand, Golnaz Gharehbaghi, Mohammadreza Mehrabi Bahar, Hamid Riazi-Esfahani** - Choroidal Features in Flat Irregular Pigment Epithelial Detachment Associated with Chronic Central Serous Chorioretinopathy: Avascular versus Vascularized

#### DIABETIC RETINOPATHY

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

11:15-11:20 - **Domenico Grosso, Enrico Borrelli, Mariacristina Parravano, 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**

### CARAVAGGIO HALL

10.00-12.00  
INTRODUCING





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## Program - SATURDAY

### IC<sup>OR</sup> Hall

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

**Chairs:** *Francesco Faraldi, Sandrine Zweifel*

- 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 François Korobelnik** - Advancements in multi-modal imaging
- 12:12-12:18 **Max Akiba** - Topcon OCT development update

#### ARTIFICIAL INTELLIGENCE 2

**Chairs:** *Ursula Schmidt-Erfurth, Paolo Lanzetta*

**Moderators:** *Maria Cristina Savastano, Gregor Reiter*

- 12:18-12:24 **Ursula Schmidt-Erfurth** - Managing AMD using Artificial Intelligence tools
- 12:24-12:30 **Hrvoje Bogunović** - 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

### FLO<sup>Retina</sup> Hall

#### LIVE SURGERIES

### BELLE ARTI HALL

**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 Beatrice Tombolini, Nicolò Nicolini, Costanza Barresi, Francesco Pignatelli, Rosangela Lattanzio, Francesco Bandello, Maria Vittoria Cicinelli** - Assessment of Diabetic Choroidopathy 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:** *Jorge Ruiz-Medrano, Daniela Bacherini, Ignacio Flores-Moreno*

**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, Mariluz 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:** *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 with 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 in Diabetic Retinopathy

**12:00-12:05 - Rosa Gutiérrez Bonet, Jorge Ruiz-Medrano, José M. Ruiz-Moreno** - Study of the macular choroidal thickness profile in keratoconus patients using Swept-Source optical coherence tomography



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## Program - SATURDAY

### IC<sup>OO</sup>OR Hall

- 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 **Rishard Weitz** - Compact Broad-Spectrum Retinal Camera for Widefield Imaging, Cloud-Enabled Tele-Ophthalmology and Chromo-Tomographic Analysis of the retina
- 13:30-13:36 **Marion Munk** - Repeatability of Wide-field Optical Coherence Tomography Angiography in Normal Retina
- 13:36-13:42 **Edoardo Midena** - Wide field multimodal imaging in retinal disorders
- 13:42-13:48 **Francesco Pichi** - Wide-field optical coherence tomography angiography for the detection of proliferative diabetic retinopathy
- 13:48-13:54 **Marco Pellegrini** - Comparison of wide field OCTA with extended field imaging and fluorescein angiography

### FLORetina Hall

#### 13:30-14:30 SYMPOSIUM RETINAWES

##### CHAIR:

Kourous Rezaei

##### PANEL:

Ernesto Bali, Luigi Caretti, Carl Claes, Vincenzo Ferrara, José García-Arumí, Fabio Patelli, Kourous Rezaei, Ramin Tadayoni, Stanislao Rizzo

### BELLE ARTI HALL

#### GENERAL DISEASES AND OTHER TOPICS

**Moderators: Stela Vujosevic, Ioannis 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** - **Rahma Saidane, Choura R., Ben Sassi R., Khallouli 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 O. Abdulazim** - OCT Angiography 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

**12:40-12:45** - **Leila El Matri, Khaled El Matri, Mohamed Moussa, Ahmed Chebil, Youssa Falfoul, Riadh Gouider** - SS OCT-Angiography in Alzheimer's disease and other cognitive disorders

#### PERIPHERAL RETINA / ANTERIOR SEGMENT

**Moderators: Maria Vittoria Cicinelli, Claudio Iovino**

**12:45-12:50** - **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

**12:50-12:55** - **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





# IC<sup>OR</sup>

9° International Congress on OCT  
and OCT angiography in Rome

# FLO<sup>RETINA</sup>Retina

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## Program - SATURDAY

### IC<sup>OR</sup> Hall

- 13:54-14:00 **Aude Couturier** - Comparison of vascular density loss in the midperiphery and macula in WF OCTA to assess the severity of diabetic retinopathy
- 14:00-14:06 **Giuseppe Querques** - Ultra-Widefield imaging in everyday
- 14:06-14:10 Discussion

### FLO<sup>RETINA</sup> Hall

**13:30-14:30 SYMPOSIUM  
RETINAWS**

### BELLE ARTI HALL

**12:55-13:00** - **Claudio Iovino, Enrico Peiretti, Mirco Braghiroli, Filippo Tatti, Abhilasha Aloney, Michele Lanza, Jay Chhablani** - OCTA of the Iris: Current Limitations and Future Perspective

**13:00-13:05** - **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

### 14:30 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.

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## Acknowledgements

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# Alcon

### EMERALD



# DORC

### RUBY

# BAUSCH+LOMB

# NOVARTIS



### SAPPHIRE



# Apellis



### TOPAZ





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*We wish you  
Happy Holidays*

*Anna Porro*



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