

DECEMBER 18 & 19, 2020

IC: OR 2020

**8° International Congress on OCT
and OCT angiography in Rome**

President: **James Fujimoto**

Directors: **Stanislao Rizzo, Bruno Lumbroso**

Organizing Committee: **Stanislao Rizzo, Bruno Lumbroso, Francesco Bandello, Francesco Faraldi, Marco Rispoli, Paolo Lanzetta, David Huang, David Sarraf, Quan Dong Nguyen, Alain Gaudric, Ursula Schmidt-Erfurth, Eric Souied**

Scientific Committee: **Stanislao Rizzo, Bruno Lumbroso, David Huang, Albert J. Augustin, Francesco Bandello, Caroline Baumal, Joseph Carroll, Yves Salomon Cohen, Christine Curcio, Wolfgang Drexler, Amani Fawzi, K. Bailey Freund, Yali Jia, Paolo Lanzetta, Martine Maugé-Fayssé, Quan Dong Nguyen, Giuseppe Querques, Richard Rosen, Ursula Schmidt-Erfurth, Srinivas Sadda, David Sarraf, Eric Souied, Richard Spaide, Giovanni Staurenghi, Nadia K. Waheed, Min Wang, Marion Munk**

Italian Committee: **Daniela Bacherini, Francesco Bandello, Francesco Faraldi, Bruno Lumbroso, Leonardo Mastropasqua, Giuseppe Querques, Marco Rispoli, Stanislao Rizzo, Maria Cristina Savastano, Giovanni Staurenghi**

With the scientific and organization support of

SIA  **SOCIETÀ ITALIANA
DI ANGIOGRAFIA OCT**

**Francesco Bandello, Leonardo Mastropasqua, Bruno Lumbroso,
Giuseppe Querques, Marco Rispoli**



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SPEAKERS

- Abraham Neda *France*
Abrishami Mojtaba *Iran*
Abu-Qamar Omar *United States*
Arias Barquet Luis *Spain*
Augustin Albert J. *Germany*
Bacherini Daniela *Italy*
Bandello Francesco *Italy*
Baumal Caroline *United States*
Behar-Cohen Francine *France*
Borrelli Enrico *Italy*
Boulanger-Scemama Elise *France*
Bousquet Elodie *France*
Brinkmann Max Philipp *Switzerland*
Brito Pedro *Portugal*
Caporossi Tomaso *Italy*
Carroll Joseph *United States*
Cennamo Gilda *Italy*
Chakravarthy Usha *United Kingdom*
Chen Siyu *United States*
Chhablani Jay *United States*
Cicinelli Maria Vittoria *United States*
Cohen Yves Salomon *France*
Csaky Karl *United States*
Cunha-Vaz José *Portugal*
Curcio Christine A. *United States*
D'aloisio Rossella *Italy*
Dolz-Marco Rosa Dot Corinne *France*
Drexler Wolfgang *Austria*
El Maffouhi Adil *France*
Faraldi Francesco *Italy*
Farinha Claudia *Portugal*
Farsiu Sina *United States*
Favard Catherine *France*
Fawzi Amani *United States*
Fazio Massimo Antonio *United States*
Ferraris De Gaspare Riccardo *Italy*
Figueira João *Portugal*
Flores-Moreno Ignacio *Spain*
Freund K. Bailey *United States*
Fujimoto James *United States*
Gambini Gloria *Italy*
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Ghasemi Falavarjani Khalil *Iran*
Gonzalez Victor *United States*
Govetto Andrea *United States*
Huang David *United States*
Igllicki Matias *Argentina*
Iureva Tatiana *Russia*
Jia Yali *United States*
Jonnal Ravi *United States*
Kar Deepayan *United States*
Kayabasi Umur *Turkey*
Korobelnik Jean-François *France*
Kuryшева Natalia *Russia*
Lanzetta Paolo *Italy*
Lobo Conceição *Portugal*
Loewenstein Anat *Israel*
Lujan Brandon *United States*
Lumbroso Bruno *Italy*
Lupidi Marco *Italy*
Macaluso Claudio *Italy*
Maltsev Dimitrii *Russia*
Marques João Pedro *Portugal*
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Mauget-Faÿsse Martine *France*
Meunier Isabelle *France*
Micheletto Paolo *Italy*
Minnella Angelo *Italy*
Mirshahi Reza *Iran*
Munk Marion *Switzerland*
Myakoshina Elena *Russia*
Nascimento Heloisa *Brazil*
Neves Emmanuel *Portugal*
Nguyen Quan Dong *United States*
Panozzo Giacomo *Italy*
Parravano Mariacristina *Italy*
Peiretti Enrico *Italy*
Picard Emilie *France*
Pichi Francesco *United Arab Emirates*
Pircher Michael *Austria*
Puech Michel *France*
Querques Giuseppe *Italy*
Rago Angelo *United States*
Rispoli Marco *Italy*
Rizzo Stanislao *Italy*
Romano Andre' *Brazil*
Romano Mario *Italy*
Rosen Richard *United States*
Ruiz Moreno José Maria *Spain*
Ruiz-Medrano Jorge *Spain*
Sacconi Riccardo *Italy*
Sadda Srinivas *United States*
Sadun Federico *Italy*
Salmon Alex *United States*
Sarao Valentina *Italy*
Sarraf David *United States*
Savastano Maria Cristina *Italy*
Savastano Alfonso *Italy*
Schmidt-Erfurth Ursula *Austria*
Shaimov Timur *Russia*
Silva Rufino *Portugal*
Skondra Dimitra *United States*
Smirnov Vasily *France*
Spaide Richard *United States*
Staurenghi Giovanni *Italy*
Strehö Maté *France*
Tadayoni Ramin *France*
Tamburrelli Ciro *Italy*
Tao Yuankai Kenny *United States*
Theelen Thomas *The Netherlands*
Theocharis Ioannis *Greece*
Toto Lisa *Italy*
Udaondo Patricia *Spain*
Vadala' Maria *Italy*
Veritti Daniele *Italy*
Volkova Natalia *Russia*
Vujosevic Stela *Italy*
Waheed Nadia *United States*
Wang Min *China*
Wei Jay *United States*
Weitz Rishard *Canada*
Yannuzzi Lawrence *United States*
Yzer Suzanne *The Netherlands*
Zanlonghi Xavier *France*
Zhukova Svetlana *Russia*
Zur Dinah *Israel*
Zweifel Sandrine *Switzerland*

OFFICIAL LANGUAGE: ENGLISH

Simultaneous translation
(English/Italian): HALL A

The Congress did not ask for Continuing
Medical Education credits

FRIDAY

SATELLITE COURSES AT THE BOOTH

From 8.15 am to 9.00



LOS ANGELES
23.15



NEW YORK
2.15



SAO PAULO
4.15



LONDON
7.15



ROME
8.15



MOSCOW
10.15



TEHERAN
10.45



IRKUTSK
15.15



BEIJIN
15.15



TOKYO
16.15

FRIDAY 18th December - SATELLITE COURSES



INTRODUCTION TO WIDE FIELD OCT ANGIOGRAPHY

Chairs: Bruno Lumbroso, Marco Rispoli

Marco Rispoli - OCT Technology and practical tips

Adil El Maftouhi - OCT-A Improvement with Solix Platform

Marco Rispoli - Solix OCT benefits in High Myopia

Luca Di Antonio - Solix in Diabetic Retinopathy



BROLUCIZUMAB E L'ARTE DELLA RISOLUZIONE DEL FLUIDO

Romano Danesi - L'aVEGF di nuova generazione

Francesco Viola - Brolucizumab: sviluppo clinico in wet AMD

Chiara Eandi - Prime esperienze cliniche in Real Life



HIGH RESOLUTION, HIGH SPEED AND DENSE ART OCTA IMAGING

Moderator: Rosa Dolz-Marco

Min Wang - Clinical Benefits of Dense ART (DART) OCTA

Rosa Dolz-Marco - New insights: High Resolution OCT

Q & A



BEYOND DIAGNOSTICS WITH OCT-A

Caroline Baumal - Wide-Field OCT-A in Diabetics

Francesco Pichi - SS-OCT and SS-OCTA in Anterior Uveitis

Sandrine Zweifel - SS OCTA Findings in Patients with Fabry's Disease

IC^{•••••}OR 2020

8° International Congress on OCT
and OCT angiography in Rome

OFFICIAL PROGRAM **Central European Time (CET)**

HALL A

9.00-9.05 *Rizzo Stanislao, Bruno Lumbroso* - Intro

SITTING 1

OCT IN PRACTICE

CHAIRS: MARTINE MAUGET-FAÏSSE, GIUSEPPE QUERQUES

9.05-9.06 Intro

SESSION 1 - ROLE OF OCTA IN PRACTICE

Chair: Martine Mauget-Faysse

Moderator: Giuseppe Querques

9.06-9.16 *Yves Salomon Cohen* - OCTA for the general ophthalmologist: overview of usefulness and pitfalls

9.16-9.26 *Karl Csaky* - Roles and Limitations of Optical Coherence Tomography-Angiography in Defining Subclinical MNV

9.26-9.36 *SriniVas Sadda* - OCTA biomarkers for dry AMD

9.36-9.46 *Martine Mauget-Faysse* - What does outer plexiform layer teach us on the OCT exam?

9.46-9.56 *Claudio Macaluso* - Pole to pole eye diagnostics with Spectral domain OCT

9.56-10.06 *Amani Fawzi* - MacTel on OCTA, what can we learn about the disease?

10.06-10.13 Discussion

SESSION 2 - CLINICAL ROUND TABLE: OCTA IN EVERYDAY CLINICAL PRACTICE

Chair: Giuseppe Querques

10.13-10.33 Is it worth making research and publishing with OCTA? Should we trust in OCTA in clinical practice?

Panel: Giuseppe Querques, Srinivas Sadda, David Sarraf, Enrico Borrelli, Riccardo Sacconi, Mariacristina Parravano, Francesco Bandello, Richard F. Spaide, K. Bailey Freund

SITTING 2

NEOVASCULARIZATION 1

CHAIRS: GIUSEPPE QUERQUES, MARCO RISPOLI

10.33-10.34 Intro

SESSION 3 - NEOVASCULARIZATION PACHYCHOROID, VASCULAR DISORDERS

Moderator: Marco Rispoli

10.34-10.41 *Yali Jia* - Wide-field & high-resolution OCTA with a self-tracking method to correct microsaccades and blinks

10.41-10.48 *Albert Augustin* - The role of OCTA to discriminate the various entities of the pachychoroid spectrum

10.48-10.55 *Valentina Sarao, Daniele Veritti, Paolo Lanzetta* - Central serous chorioretinopathy. A review OCTA findings

10.55-11.02 *Marco Rispoli* - Angiogenesis features in long term follow up of choroidal new vessels

11.02-11.09 *Giuseppe Querques* - Treatment-Naive Non-Exudative Macular Neovascularization in AMD

11.09-11.16 Discussion

SITTING 3

THE FUTURE 1

CHAIR: MARCO RISPOLI

11.16-11.17 Intro

SESSION 4 - FUTURE OF OPHTHALMOLOGY (INDUSTRIES SESSION)

11.17-11.24 *Optovue - Jay Wei* - The Future Role of OCT for the Eye Care

11.24-11.31 *Zeiss - Angelo Rago* - Innovation is in our DNA

11.31-11.38 *Canon Medical Systems Europe - Ori Zahavi* - Wide Field imaging and AI

11.38-11.45 *Nidek - Riccardo Ferraris De Gaspare* - Advances in Imaging and Future Developments in Ophthalmology

SITTING 4
THE FUTURE 2
CHAIR: PAOLO LANZETTA

11.45-11.46 Intro

SESSION 5 - FUTURE OF OPHTHALMOLOGY

Chairs: Paolo Lanzetta, Anat Loewenstein, Srinivas Sadda

Moderator: Paolo Lanzetta

11.46-11.53 *Srinivas Sadda* - Far peripheral OCT

11.53-12.00 *Rishard Weitz* - AOSLO Quadrant Non-confocal Detection for Imaging Inner Retinal Vasculature

12.00-12.07 *Anat Loewenstein* - Home monitoring with home OCT

12.07-12.14 *Daniele Veritti* - OCT in the 2020s': from quality to quantity indexes

12.14-12.20 Discussion

SESSION 6 - THE CURRENT AND FUTURE STATUS OF ARTIFICIAL INTELLIGENCE IN RETINA

Chairs: Paolo Lanzetta, Ursula Schmidt-Erfurth, Francesco Bandello, Srinivas Sadda

Moderator: Paolo Lanzetta

12.20-12.27 *Paolo Lanzetta* - Current status and perspectives on AI in retina

12.27-12.34 *Ursula Schmidt-Erfurth* - The current and future status of AI in retina

12.34-12.41 *Francesco Bandello* - Artificial Intelligence for retina diseases

12.41-12.48 *Angelo Maria Minnella, Paola Sasso* - Telemedicine in retinal diseases

12.48-12.55 *Srinivas Sadda* - Automated detection of AMD biomarkers using deep learning

12.55-13.02 *Valentina Sarao* - Automated diabetic retinopathy detection with two different retinal imaging devices using artificial intelligence: a comparison study

13.02-13.09 *Reza Mirshahi, Khalil Ghasemi Falavarjani* - Foveal avascular zone delineation

13.09-13.16 *Omar Abu Qamar* - Two Deep Learning Algorithms for Pseudoaveraging (Denoising) of Optical Coherence Tomography Angiography (OCTA) Images

13.16-13.23 Discussion

**13.30 - 14.30 VISIT TO THE EXHIBITION HALL
AND RELAX TIME AT THE SOCIAL ROOM**

SITTING 5

SESSION 7 - BRUNO LUMBROSO LECTURE

14.30-14.50 Introduction to *Lawrence Yannuzzi: Bruno Lombroso*

14.50-15.20 *Lawrence A. Yannuzzi* - **Multiple Evanescent White Dot Syndrome (MEWDS) and Multifocal Choroiditis (MFC): Are They One Disease?**

SITTING 6 (MAIN SITTING - PART ONE)
INVITED KEY LECTURES
CHAIR: DAVID SARRAF

15.20-15.21 Intro

SESSION 8 - DIABETIC RETINOPATHY

Moderator: David Sarraf

- 15.21-15.33 *Francesco Bandello* - New devices for screening of diabetic eye involvement
15.33-15.45 *Alain Gaudric, Aude Couturier* - Predictors of Diabetic retinopathy progression: Macula or Periphery?
15.45-15.57 *Nadia Waheed* - Optical Coherence Tomography Angiography Metrics Predict Diabetic Retinopathy Disease Progression
15.57-16.05 Discussion

SESSION 9 - VASCULATURE RETINA AND CHORIOCAPILLARIS

Moderator: David Sarraf

- 16.05-16.17 *David Huang* - Plexus-specific retinal anatomy and pathologies on projection-resolved OCTA
16.17-16.24 *David Huang* - Sensorless adaptive-optics OCT and OCTA
16.24-16.36 *Richard Spaide* - Choriocapillaris Vascular Parameters in Normal Eyes and Those with Pachychoroid with and without Disease
14.36-14.43 Discussion

SESSION 10 - ADVANCED RETINAL IMAGING DURING THE COVID STORM

Chair: David Sarraf

Moderator: David Sarraf

- 16.43-16.50 *Maria Cristina Savastano, Stanislao Rizzo* - OCTA in COVID-19 Patients
16.50-16.57 *Daniela Bacherini, Tomaso Caporossi, Stanislao Rizzo* - COVID-19 hospitalization and retinal imaging
16.57-17.04 *Mojtaba Abrishami, Zahra Emamverdian, Naser Shoeibi, Arash Omidtabrizi, Ramin Daneshvar, Talieh Saeidi Rezvani, Neda Saeedian, Saeid Eslami, Mehdi Mazloumi, Srinivas Sadda, David Sarraf* - Optical Coherence Tomography Angiography Analysis of the Retina in Patients Recovered from COVID-19: A Case Control Study
17.04-17.11 *Mojtaba Abrishami, Zahra Emamverdian, Ramin Daneshvar, Neda Saeedian, Mohammad-Reza Ansari-Astaneh, Fariba Tohidinezhad, Maria Cristina Savastano, Saeid Eslami* - Macular Thickness and Volume Measurements using Spectral-Domain Optical Coherence Tomography in Patients with COVID-19
17.11-17.18 *Heloisa Nascimento, Paula M Marinho, Allexya A.A. Marcos, André Romano, Rubens Belfort Jr* - COVID and the Retina. From April to December
17.18-17.25 Discussion

HALL B

9.00-9.05 *Stanislaio Rizzo, Bruno Lumbroso* - Intro

SITTING 7 **NEURO OPHTHALMOLOGY** **CHAIR: ALBERT AUGUSTIN**

9.05-9.06 Intro

SESSION 11 - NEURO OPHTHALMOLOGY *Chairs: Albert Augustin, Umur Kayabasi, Federico Sadun* *Moderator: Albert Augustin*

- 9.06-9.13 *Quan Dong Nguyen* - Imaging the optic nerve and its pathology: how do we incorporate new data into management of patients - **DELATED**
- 9.13-9.20 *Umur Kayabasi* - OCT-Angiography as a prognostic factor in chiasmal compression
- 9.20-9.27 *Mojtaba Abrishami, Ramin Daneshvar, Zahra Emamverdian, Naser Shoeibi, Talieh Saeidi Rezvani, Neda Saeedian, Saeid Eslami* - Optic Nerve Head Optical Coherence Tomography Angiography Findings in Patients with COVID-19
- 9.27-9.34 *Umur Kayabasi* - OCT Angiography in Neuromyelitis Optica Spectrum Disorders
- 9.34-9.41 *Gilda Cennamo* - Assessment of retinal vascular network in amnesic mild cognitive impairment by OCTA
- 9.41-9.48 *Umur Kayabasi* - Retinal Adaptive Optics in early diagnosis of Alzheimer's disease
- 9.48-9.55 *Federico Sadun* - Peripapillary Hyperelective Ovoid Mass-Like Structures (PHOMS) in optic nerve disorders
- 9.55-10.02 *Mojtaba Abrishami, Ali Akbar Saber Moghaddam, Hamid Jafarzadeh, Naser Shoeibi, Elham Bakhtiari* - Optic Disc Optical Coherence Tomography Angiography Findings in Patients with Thyroid Eye Disease
- 10.02-10.09 Discussion

SITTING 8 **VASCULATURE** **CHAIR: YVES SALOMON COHEN**

10.09-10.10 Intro

SESSION 12 - RETINAL VASCULATURE CHORIOCAPILLARIS AND CHOROID

Chairs: Yves Salomon Cohen, David Sarraf, Albert Augustin

Moderator: Yves Salomon Cohen

- 10.10-10.17 *David Huang* - Plexus-specific patterns in retinal diseases
- 10.17-10.24 *Richard Rosen* - Hidden Dynamics of OCT Angiography Revealed by Adaptive Optics Angiography
- 10.24-10.31 *David Sarraf* - Choriocapillaris in non neovascular and neovascular AMD
- 10.31-10.38 *Albert Augustin* - Multimodal imaging approach and OCTA assesment of choroidal neovessels for the evaluation of pachychoroid neovascularopathy

- 10.38-10.45 **Alex Salmon** - Imaging the Retinal Vasculature in the 13-Lined Ground Squirrel: Blood Flow Changes During Hibernation
- 10.45-10.52 **Deepayan Kar** - Ultrastructural observations on the neural-gliovascular unit of the human outer retina
- 10.52-10.59 Discussion

SESSION 13 - IMAGING

Moderator: Francesco Bandello

- 10.59-11.06 **Francesco Bandello** - Angio-OCT vs Fluorescein Angiography
- 11.06-11.13 **Valentina Sarao** - Fundus autofluorescence: methods, fluorophores and patterns in different diseases
- 11.13-11.20 **Ursula Schmidt-Erfurth** - OCTA parameters relevant clinical use
- 11.20-11.27 **Paolo Lanzetta** - Imaging and interpreting the course of retinal ischemia during anti-VEGF therapy
- 11.27-11.34 **Ioannis P. Theocharis, Nikos Lagaros** - Converting OCT images to a custom 3D geometry for structural model simulation of the posterior pole
- 11.34-11.41 Discussion

SITTING 9

FREE PAPERS

CHAIR: SANDRINE ZWEIFEL

- 11.41-11.42 Intro

SESSION 14 - FREE PAPERS SESSION

Chair: Sandrine Zweifel

- 11.42-11.49 **Sandrine Zweifel, Hangartner K., Wiest M. R.J., Hamann T, Innes W.** - Analysis of Vessel Tortuosity in Fabry's Disease Patients and Healthy Controls
- 11.49-11.56 **Maria Vittoria Cicinelli, Omar Hassan, Manjot K Gill, Debra Goldstein, Lee M. Jampol** - MEWDS-like reaction to concurrent retinal insults
- 11.56-12.03 **Max Philipp Brinkmann, Jeffrey D. Messinger, Deepayan Ka, Kenneth R. Sloan, Ling Chen, Tommaso Bacci, Timothy Hamann, Maximilian Wiest, K. Bailey Freund, Sandrine Zweifel, Christine A. Curcio** - Acquired vitelliform lesions in age-related macular degeneration: Histologic/optical coherence tomographic correlation
- 12.03-12.10 **Svetlana. I. Zhukova, T.N. Iureva** - Optical coherence tomography angiography in the diagnosis of choroidal neovascularization in children
- 12.10-12.17 **Thomas Theelen, Timo Mulders, Patty Dhooge, Carel Hoyng** - Photoreceptor imaging by spectral domain OCT and high magnification SLO
- 12.17-12.24 **Elena Myakoshina** - EDI - OCT and OCT - angiography predictors of choroidal nevus growth and malignization
- 12.24-12.31 **Marco Lupidi** - Diosmine molecule: a vascular protecting agent?
- 12.31-12.38 **Néda Abraham, Karine Hawa, Michel Puech, Violaine Caillaux** - OCT-Angiography and small choroidal pigmented lesions: 3 years follow up with Starry Night Effect

HALL A

9.00-9.05 *Stanislao Rizzo, Bruno Lumbroso* - Intro

SITTING 10

AMD, CNV

CHAIR: FRANCESCO BANDELLO

09.05-09.06 Intro

SESSION 15 - FLUID IN NON-NEOVASCULAR AND NEOVASCULAR AMD

Chairs: Anat Loewenstein, Ursula Schmidt-Erfurth, Paolo Lanzetta, Srinivas Sadda, José Cunha-Vaz

Moderator: Anat Loewenstein

- 9.06-9.13 *David Sarraf* - Mechanisms of fluid development in AMD
9.13-9.20 *Anat Loewenstein* - Importance of fluid in AMD management
9.20-9.27 *Ursula Schmidt-Erfurth* - The role of fluid in exudative macular disease
9.27-9.34 *Paolo Lanzetta* - Imaging and interpretation of retinal fluid in AMD
9.34-9.41 *Ursula Schmidt-Erfurth* - Detection and treatment of retinal fluid
9.41-9.48 *K. Bailey Freund* - Multimodal imaging features and clinical relevance of subretinal lipid globules
9.48-9.55 *Caroline Baumal* - Imaging Characteristics of Eyes Developing Exudation in the Phase 2 FILLY Trial of Pegcetacoplan (APL-2) for Geographic Atrophy (GA)
9.55-10.02 *Cláudia Farinha, José Cunha-Vaz* - Quantification of abnormal fluid in retinal disease
10.02-10.09 *Angelo Maria Minnella* - To dry or not to dry: that is the question
10.09-10.16 Discussion

SESSION 16 - CNV 1

Chairs: Rufino Silva, Giuseppe Querques, José Maria Ruiz Moreno

Moderator: José Maria Ruiz Moreno

- 10.16-10.23 *Jorge Ruiz-Medrano, José Maria Ruiz Moreno* - Differential diagnosis exudative AMD vs. CNV in chronic CSCR
10.23-10.30 *Rufino Silva* - PCV in Caucasians: is it the same disease as the Asian population? clinical and genetic approach
10.30-10.37 *João Pedro Marques* - Macular atrophy in anti-VEGF treated neovascular AMD: incidence and risk factors
10.37-10.44 *Claudia Farinha* - Retinal layer thicknesses and clinical-microstructural associations in eyes with Early AMD
10.44-10.51 *Giuseppe Querques* - Pathological insights into type 3 MNV: a multimodal imaging analysis
10.51-10.58 Discussion

SESSION 17 - CNV 2

Chair: Marco Lupidi

Moderator: Marco Rispoli

- 10.58-11.05 *Giovanni Staurenghi, Paolo Lanzetta* - Predictable treatment approach in nAMD: new therapeutic option
- 11.05-11.12 *Marco Rispoli* - OCT Angiography biomarkers in wet AMD
- 11.12.-11.19 *Marco Lupidi* - Real-World Outcomes of Anti-VEGF Therapy in Treatment-Naïve Neovascular Age-Related Macular Degeneration Diagnosed on OCT-Angiography: the REVEAL Study
- 11.19-11.26 *Enrico Peiretti* - Aflibercept and Treat&Extend in wAMD
- 11.26-11.33 Discussion

SITTING 11

DIABETES 1

CHAIR: JOSÉ MARIA RUIZ MORENO

- 11.33-11.34 Intro

SESSION 18 - DIABETIC RETINOPATHY

Chairs: Francesco Bandello, José Cunha-Vaz, Rodolfo Mastropasqua

Moderator: José Cunha-Vaz

- 11.34-11.41 *Rodolfo Mastropasqua* - Retinal capillary perfusion assessment in diabetic retinopathy using widefield OCTA
- 11.41-11.48 *José Cunha-Vaz* - Capillary closure identifies diabetic retinopathy progression
- 11.48-11.55 *Khalil Ghasemi Falavarjani, Reza Mirshahi, David Sarraf* - Spatial correlation of capillary non-perfusion in diabetic retinopathy
- 11.55-12.02 *Matias Iglicki, Anat Loewenstein* - Telemedicine in DME
- 12.02-12.09 *Giacomo Panozzo* - The new morphologic classification of Diabetic (Vascular) Macular Edema
- 12.09-12.16 *Lisa Toto* - The effect of Dex Implant on retinal ischemia and retinal vessel changes
- 12.16-12.23 Discussion

SITTING 12

DIABETES 2

CHAIR: JOSÉ MARIA RUIZ MORENO

- 12.23-12.24 Intro

SESSION 19 - DME NON-RESPONDERS TO ANTI-VEGF. HOW TO HANDLE THEM

Chairs: Rufino Silva, José Maria Ruiz Moreno

Moderator: José Maria Ruiz Moreno

- 12.24-12.31 *Jorge Ruiz-Medrano* - Dexamethasone intravitreal implant in DME patients who did not adequately respond to anti-VEGF therapy
- 12.31-12.38 *José Maria Ruiz Moreno* - DME non-responder to anti-VEGF. How to handle them
- 12.38-12.45 *Jay Chhablani* - DME management in Asian population: expert panel consensus guidelines

- 12.45-12.52 **Pedro Brito, Jorge Correia-Pinto, Rufino Silva** - Serum biomarkers in non-responders of DME to anti-VEGF: a prospective study
- 12.52-12.59 **Patricia Udaondo** - OCT and OCT-A biomarkers in responder vs non-responders to anti-VEGF
- 12.59-13.06 Discussion

SESSION 20 - DIABETIC RETINOPATHY, MACULAR EDEMA

Chairs: José Cunha-Vaz, Jean-François Korobelnik, Khalil Ghasemi Falavarjani

Moderator: Jean-François Korobelnik

- 13.06-13.13 **Marco Lupidi** - OCT-A as a Reliable Prognostic Tool in Laser-Treated Proliferative Diabetic Retinopathy: The RENOCTA Study
- 13.13-13.20 **Jean-François Korobelnik** - OCTA changes in the macula during treatment of DME with aflibercept: the DOCTA study
- 13.20-13.27 **Khalil Ghasemi Falavarjani, Reza Mirshahi** - Stepwise segmentation error correction in diabetic macular edema
- 13.27-13.34 **João Figueira, José Cunha-Vaz** - Microaneurysm Turnover is a Biomarker for five-year diabetic retinopathy progression. A five-year longitudinal study
- 13.34-13.41 **Khalil Ghasemi Falavarjani, Pasha Anvari, Reza Mirshahi, Srinivas Sadda** - Proposed OCT criteria for diabetic tractional detachment
- 13.41-13.48 **Corinne Dot** - Multimodal screening of capillary macroaneurysms in chronic macular edema, about 101 eyes
- 13.48-13.55 **Conceição Lobo, José Cunha-Vaz** - Characterization of Initial Stages of Diabetic Macular Edema using OCT-Leakage
- 13.55-14.02 **Francesco Bandello** - Real-life long-term outcomes in DME: fluocinolone acetonide follow-up
- 14.02-14.09 **Victor Gonzalez** - Clinical-Decision Criteria to prevent Recurrent Diabetic Macular Edema
- 14.09-14.16 **André Romano** - Strategies to analyze progression of Diabetic Retinopathy using Projection-Resolved OCTA-A
- 14.16-14.23 Discussion

SITTING 13

(MAIN SITTING)

CHAIR: JAMES FUJIMOTO

- 14.23-14.24 Intro

SESSION 21 - ADVANCES IN IMAGING TECHNOLOGY

Moderator: James Fujimoto

- 14.24-14.32 **Yuankai Kenny Tao** - Translational Technologies for Point-of-Care Ophthalmic OCT/OCTA
- 14.32-14.40 **Sina Farsiu** - Automatic AI-Based OCT/AOOCT Analysis with Superior Performance to Human Experts
- 14.40-14.48 **Michael Pircher** - Multi-modal and multi-scale retinal imaging
- 14.48-15.06 **Ravi S. Jonnal** - Optoretinographic measurements of neural function in human rods and cones
- 15.06-15.14 **Siyu Chen** - Ultrahigh Resolution Spectral Domain OCT in Aging and Age Related Macular Degeneration
- 15.14-15.21 Discussion

SITTING 14 **(MAIN SITTING - PART 2)** **INVITED KEY LECTURES** **CHAIR: DAVID SARRAF**

15.21-15.22 Intro

SESSION 22 - ANATOMY AND HISTOLOGY 1

Moderator: David Sarraf

- 15.22-15.34 *Christine Curcio* - Vision beyond acuity - rod photoreceptors elucidate AMD pathophysiology
15.34-15.46 *K. Bailey Freund* - Histologic Correlates for OCT Signatures Occurring in AMD
15.46-15.58 *Richard Rosen* - Label-free Imaging of Macrophage Cells in the Living Human Eyes with Diabetic Retinopathy Using Clinical En face OCT
15.58-16.05 Discussion

SESSION 23 - ANATOMY AND HISTOLOGY 2

Moderator: David Sarraf

- 16.05-16.17 *Quan Dong Nguyen* - Correlation between imaging biomarkers and biomarkers in clinical studies and trials for retinal disease - **DELETED**
16.17-16.29 *David Sarraf* - PathoAnatomy of the Muller Cells in the Fovea and Insights with Advanced Retinal Imaging
16.29-16.41 *Srinivas Sadda* - Biomarkers that predict atrophy in AMD and their histological correlates
16.41-16.50 Discussion

HALL B

08.30-08.35 *Stanislao Rizzo, Bruno Lumbroso* - Intro

SITTING 15 **GENETICS HEREDITARY DISORDERS** **CHAIRS: BENEDETTO FALSINI, MARIA CRISTINA SAVASTANO**

08.35-08.36 Intro

SESSION 24 - GENETICS

Chair: Martine Maugé-Faÿsse

Moderator: Martine Maugé-Faÿsse

- 8.36-8.43 *Isabelle Meunier* - Frequency and type of inherited retinal dystrophies in children seen before the age of 5 years
8.43-8.50 *Elise Boulanger-Scemama* - Optogenetic approach in Retinitis Pigmentosa
8.50-8.57 *Vasily Smirnov, Sabine Defoort-Dhellemmes* - Genetic or not?
8.57-9.04 *Xavier Zanlonghi, Isabelle Meunier, Leeners G., Martine Maugé-Faÿsse* - Optical Coherence Tomography Angiography (A-Oct) In Ssbp1 Gene: Aspect of Optic Disk and Macula - **DELETED**
9.04-9.11 Discussion

SESSION 25 - RETINAL HEREDODYSTROPHIES

Chairs: João Pedro Marques, Giuseppe Querques

Moderator: João Pedro Marques

- 9.11-9.18 *João Pedro Marques* - Non-Exudative Macular Neovascularization in Pseudoxanthoma Elasticum
- 9.18-9.25 *Emmanuel Neves* - Prevalence of cystoid macular edema and vitreoretinal interface abnormalities in genetically-solved retinitis pigmentosa
- 9.25-9.32 *Giuseppe Querques* - Choroidal vascularity index in eyes with central atrophy secondary to Stargardt disease in comparison to Geographic Atrophy
- 9.32-9.39 *Min Wang* - SS-OCTA in Some Rare Retinal Diseases
- 9.39-9.46 Discussion

SITTING 16 GLAUCOMA

CHAIRS: MICHEL PUECH, SVETLANA ZHUKOVA

- 09.46-09.47 Intro

SESSION 26 - GLAUCOMA

Chairs: David Huang, Michel Puech, Natalia Kuryshva

Moderator: Michel Puech

- 9.47-9.54 *David Huang* - Analysis of nerve fiber layer focal reflectance loss in glaucoma
- 9.54-10.01 *Massimo Fazio, Deepayan Kar, Christopher Bowd, Robert Weinreb, Jeffrey Liebmann, Linda Zangwill, Christopher Girkin* - Peripapillary capillary perfusion and deep tissue morphology association in the African Descent Glaucoma Evaluation Study (ADAGES) by Spectralis OCT-Angiography
- 10.01-10.08 *Tatiana Iureva, Svetlana Zhukova* - choroidal blood flow in patients with POAG in early postoperative period
- 10.08-10.15 *Natalia Volkova, Andrey Shchuko* - Angio-OCT criteria of trabeculectomy efficacy
- 10.15-10.22 *Gloria Gambini* - Imaging in the Era of Minimally Invasive Glaucoma Surgery
- 10.22-10.29 *Natalia Kuryshva* - OCTA in POAG and PACG: what is the difference?
- 10.29-10.36 *Michel Puech, Mourtaza Aimadaly, Basheera Domun, Maté Strehó* - OCT-Angiography: follow-up of peripapillary vessels in glaucoma
- 10.36-10.43 Discussion

SITTING 17 NEOVASCULARIZATION 2 CHAIR: GIUSEPPE QUERQUES

- 10.43-10.44 Intro

SESSION 27 - NEOVASCULARIZATION VASCULAR DISORDERS

Chairs: Giuseppe Querques, Marco Rispoli, Carmen Puliafito

Moderator: Giuseppe Querques

- 10.44-10.51 *Alain Gaudric, Valérie Krivosic, Carlo Lavia* - Outer retina hyper-reflectivity, neovascularization and pigment, during the course of Mactel 2 evolution
- 10.51-10.58 - *Giovanni Staurenghi* - Multimodal Evaluation of Baseline Characteristics and Correlation with Development of Macular Atrophy in Patients Treated for Neovascular AMD

SATURDAY 19th December

- 10.58-11.05 *Marco Rispoli* - Brolucizumab: OCT and OCTA early response feature
11.05-11.12 *Maria Vadalà* - Inflammatory phenotype in DME: dexamethasone implant as first line approach - **DELATED**
11.12-11.19 *Wolfgang Drexler* - **DELATED**
11.19-11.26 *Maté Strehó, Léa Rivaille, Marie Julie Bovis, Violaine Caillaux, Belkacem Haouchine, Michel Puech* - Peri-macular flow analysis with OCT-A in dry AMD patient treated with innovative photobiomodulation treatment by Valeda
11.26-11.33 Discussion

SITTING 18 **STANDARDIZATION** **CHAIR: MARION MUNK**

- 11.33-11.34 Intro

SESSION 28 - STANDARDIZATION OF OCTA NOMENCLATURE IN RETINAL DISEASES

Chair: Marion Munk

Moderator: Marion Munk

- 11.34-11.41 *Dimitra Skondra* - Overview of qualitative nomenclature of OCTA parameters
11.41-11.48 *Stela Vujosevic* - Overview of quantitative nomenclature of OCTA parameters
11.48-11.55 *Nadia Waheed* - OCTA metrics in exudative AMD - **DELATED**
11.55-12.02 *Usha Chakravarthy* - The Unicorn: Expert consensus on OCT A nomenclature in exudative AMD
12.02-12.09 *Marion Munk* - Standardization of OCTA metrics in retinal vascular diseases: First results of the expert consensus
12.09-12.16 *Francesco Pichi* - Standardization of OCTA metrics in inflammatory diseases: The IUSG expert consensus
12.16-12.23 Discussion

SITTING 19 **CSC** **CHAIR: FRANCINE BEHAR COHEN**

- 12.23-12.24 Intro

SESSION 29 - IMAGING CSC 1

Chairs: Francine Behar-Cohen, K. Bailey Freund

Moderator: Francine Behar-Cohen

- 12.24-12.31 *Pauline Eymard* - Choroid in Cushing Syndrome
12.31-12.38 *Catherine Favard* - CNV in AMD and CSCR: What OCT/ OCT-A and ICG can bring?
12.38-12.45 *Elodie Bousquet, Hugo Bourdon* - Increased choroidal thickness? Not only in CSCR
12.45-12.52 *Martine Mauget-Fayssse* - Pachyvessels and hyperpermeability in PCV
12.52-12.59 *Francine Behar-Cohen* - Correlation between OCT and IGC in CSCR: toward another understanding of the disease
12.59-13.06 Discussion

SESSION 30 - IMAGING CSC 2

Chair: Dmitrii S. Maltsev

Moderator: Dmitrii S. Maltsev

- 13.06-13.13 *Dmitrii S. Maltsev* - Personalization within pachychoroid spectrum
- 13.13-13.20 *Rossella D'Aloisio, Daniele Libertini, Alfonso Senatore, Federica Evangelista, Lisa Toto, Leonardo Mastropasqua* - Navigated microsecond pulsing laser: a shortterm effective therapy for chronic central serous chorioretinopathy
- 13.20-13.27 *Mojtaba Abrishami, Ramin Daneshvar, Nasser Shoeibi, Neda Saeedian, Hamid Reza Heidarzadeh, Seyedeh Maryam Hosseini* - Acute Bilateral Central Serous Chorioretinopathy and Pachychoroid in Patients with Coronavirus Disease 2019
- 13.27-13.34 Discussion

SITTING 20

MYOPIA

CHAIR: JOSÉ MARIA RUIZ MORENO

- 13.34 -13.35 Intro

SESSION 31 - PATHOLOGICAL MYOPIA

Chairs: Francine Behar-Cohen, José Maria Ruiz Moreno

Moderator: José Maria Ruiz Moreno

- 13.35-13.42 *José Maria Ruiz Moreno* - OCTA in high myopia. The real value
- 13.42-13.49 *Ignacio Flores-Moreno* - Perforating scleral vessels in myopic CNV. Multimodal imaging study
- 13.49-13.56 *Luis Arias Barquet* - Contributions of OCT-A for the management of tractional myopic maculopathy
- 13.56-14.03 *Emilie Picard* - Experimental animal model of staphyloma
- 13.03-14.10 *Suzanne Yzer* - Complications in macular involved staphyloma
- 14.10-14.17 *Gilda Cennamo* - OCTA in myopic peripapillary intrachoroidal cavitation complicated by choroidal neovascularization
- 14.17-14.24 Discussion

SITTING 21

FLORetina SESSION

CHAIRS: STANISLAO RIZZO, FRANCESCO FARALDI

- 14.24-14.25 Intro

SESSION 32 - THE IMPORTANCE OF IMAGING IN VITREORETINAL SURGERY

Moderator: Stanislao Rizzo

- 14.25-14.35 *Maria Cristina Savastano* - Muller cells and retinal vascular plexuses
- 14.35-14.45 Dinah Zur - Uniformity of nomenclature of vitreoretinal interface disorders
- 14.45-14.55 *Mario Romano* - Changes of Tangential Traction after Macular Peeling
- 14.55-15.05 *Andrea Govetto* - Lamellar macular hole: when the surgery?
- 15.05-15.15 *Daniela Bacherini* - Retinal Displacement and effect on vision
- 15.15-15.25 Discussion

SITTING 22 **OCT AND OCTA IN SURGERY** **CHAIR: STANISLAO RIZZO**

15.25-15.26 Intro

SESSION 33 - OCT A IN VITREORETINAL SURGERY 1

Chairs: Stanislao Rizzo, Alain Gaudric, Maria Cristina Savastano

Moderator: Stanislao Rizzo

15.26-15.33 *David Sarraf* - ERMs and OCT Biomarkers of Visual Prognosis

15.33-15.40 *Andrea Govetto* - OCT-A to identify tractional and exudative intraretinal cystoid spaces

15.40-15.47 *Maria Cristina Savastano* - Internal limiting membrane removal and OCT Angiography

15.47-15.54 *Tomaso Caporossi, Stanislao Rizzo* - OCTA in macular hole surgery assisted by amniotic membrane

15.54-16.01 *Alfonso Savastano* - Macular hole surgery OCT-A prediction on visual acuity

16.01-16.08 *Ramin Tadayoni* - Surgery of (pseudo) holes: standards in macular surgery

16.08-16.15 Discussion

SESSION 34 - OCT A IN VITREORETINAL SURGERY 2 2

Chairs: Ciro Tamburrelli, Paolo Michieletto

Moderator: Ciro Tamburrelli

16.15-16.31 *Paolo Michieletto, Marco Rispoli, Ciro Tamburrelli* - The challenging Macular Holes: Myopic, Refractory and with Retinal Detachment. Old and new surgery in light of OCT findings

16.31-16.38 *Timur Shaimov* - Peripheral Retinal Degenerations Imaged With OCT: To Treat or Not To Treat


16.38-16.45 Discussion

SATURDAY & FRIDAY

IMAGE GALLERY AT THE EXHIBITION HALL **JOSEPH CARROLL, BRANDON LUJAN**

THANKS TO:





WE WISH YOU AND
YOUR FAMILY ALL THE
JOYS OF SEASON AND
EVERY HAPPINESS
THROUGHOUT THE
COMING YEAR

Anna Elphi

