

Rome - December 13 and 14, 2019

7th International Congress on Oct Angiography and Advances in OCT



Organizing Committee: Bruno Lumbroso, Francesco Bandello, David Huang, David Sarraf, Quan Dong Nguyen, Alain Gaudric, Eric Souied, Giuseppe Querques, Marco Rispoli

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

Italian committee: Francesco Bandello, Leonardo Mastropasqua, Giuseppe Querques, Marco Rispoli, Stanislao Rizzo, Giovanni Staurenghi

President: James Fujimoto

Friday

Plenary Hall Sessions

Macular Degeneration, CNV 1

7.45-7.52 - David Sarraf - Neovascular AMD: Long Term Outcomes with OCT and OCTA

7.52-7.59 - Srinivas Sadda - Long Term Outcomes of Neovascular AMD: Which Lesion Morphology is Best?

7.59-8.06 - David Sarraf - Multilayered PED: Is This the Best Anatomical Outcome of Neovascular AMD?

8.06-8.13 - K. Bailey Freund - Recapitulation of the Choriocapillaris: Can Type 1 Macular NV Provide Nutritional Support to the Outer Retina?

8.13-8.23 Discussion

8.23-8.43 - Bruno Lumbroso Lecture URSULA SCHMIDT-ERFURTH

Strategies for Analyzing Choriocapillaris and Choroidal Flow Impairment

Chairs: David Sarraf, Srinivas Sadda, Philip J. Rosenfeld

8.43-8.50 - Richard Spaide - What is the best way to image choriocapillaris flow with optical coherence tomography angiography? Techniques and pitfalls."

8.50-8.57 - Ruikang Wang - Processing tips and strategies for quantifying choriocapillaris flow deficits

8.57-9.04 - Nadia Waheed - Common pitfalls when imaging the choriocapillaris

9.04-9.14 - Enrico Borrelli - Variables used to characterize choroidal perfusion: what is their relationship?

9.14-9.21 - Srinivas Sadda - Slab selection for visualizing the "choriocapillaris": could deeper be better?

9.21-9.28 - Philip J. Rosenfeld - How do we define an abnormal choroid?

9.28-9.38 - Discussion

OCTA: research or routine?

Chairs: Yves Salomon Cohen, Quan Dong Nguyen

9.38-9.45 - Adil El Mafthoui - OCTA vs. RNFL and Visual field in Glaucoma

9.45-9.52 - Aniruddha Agarwal, Quan-Dong Nguyen - OCTA vs. Fluorescein and ICG angiography in inflammatory conditions

9.52-9.59 - Gemmy Cheung - OCTA vs. Multimodal Imaging in Complications of Pathologic Myopia

9.59-10.06 - Salomon Y Cohen - OCTA vs. fluorescein angiography for diagnosis and follow-up of CNV in AMD

10.06-10.16 - Discussion

10.16 - 1031 - Keynote Lecture Richard Spaide - New ideas in imaging the choriocapillaris

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Visions of Future by Industry Senior Executives

Chairs: James Fujimoto, Wolfgang Drexler, Bruno Lumbroso

- 10.31-10.38 - Optovue - **Jay Wei**
- 10.38-10.45 - Zeiss - **Angelo Rago** - Understanding Today's State of OCT Technology
- 10.45-10.52 - Nidek
- 10.52-10.59 - Topcon - **John Trefethen**
- 10.59-11.06 - Heidelberg Engineering
- 11.06-11.13 - Optopol - **Arkadiusz Chalecki** - Newest OCT developments
- 11.13-11.20 - Moptim - **Mengmeng Yang**
- 11.20-11.27 - Novartis - **Gaia Panina** - Commitments and pipeline
- 11.27-11.34 - Centervue - **Daniele Mantovano** - Our vision of the future in ophthalmology
- 11.34-11.41 - Canon - **Ori Zahavi**: The future with Canon

11.45 – 12.30 – SYMPOSIUM OPTOVUE:

Unveiling Optovue's Latest OCT & OCTA Technology and Clinical Updates

Moderator: Bruno Lumbroso

- 12.15-12.20 – **Bruno Lumbroso** - Introduction
- 12.20-12.27 - **Adil El Maftouhi** - Anterior Segment Applications
- 12.27-12.34 - **Michel Puech** - Glaucoma Applications
- 12.34-12.41 - **David Sarraf** - Retina Applications
- 12.41-12.49 - **Richard Rosen** - Retina Applications
- 12.49-12.56 - **Marco Rispoli** - Retina Applications
- 12.56-13.00 - **Conclusion**

12.45 – 13.30 – RED Hall

Lunch symposium ZEISS

(Lunch boxes available for the first 250 attendees)

Delving deeper and wider into Diabetic Retinopathy management

Sunil Srivastava

Jean Francois Korobelnik

Sophie Bonnin- Lariboisiere

12.45-13.30 – YELLOW Hall

Lunch symposium NIDEK

(Lunch boxes available for the first 250 attendees)

Encountering More Findings and Details from Both Ultra Widefield SLO and OCT Analytics with Multimodal Imaging Platform, The New Mirante

Moderator: Giovanni Staurenghi

Giovanni Staurenghi - The Importance of Multimodal Imaging: TheNew NIDEK Mirante SLO/OCT Platform

SriniVas Sadda - Retro Mode Imaging in AMD and Macular Dystrophies

Nadia Waheed - Using the Nidek MP-3 for Multimodal Imaging

RED Hall

14.00 – 14.15 - Keynote Lecture

Ruikang Wang - How do we know we're actually imaging choriocapillaris flow deficits?

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14.15 – 14.30 - Keynote Lecture

Philip J. Rosenfeld - Changes in the Choroid and Choriocapillaris associated with Aging and Macular Diseases

Choriocapillaris Flow Deficits in Macular Diseases

Chairs: David Sarraf, Srinivas Sadda, Philip J. Rosenfeld

14.30-14.37 - Srinivas Sadda - Are choriocapillaris flow deficits associated with drusen formation?

14.37-14.44 - Philip J. Rosenfeld - Are choriocapillaris flow deficits associated with the formation and growth of GA (cRORA)

14.44-14.51 - David Sarraf - Are choriocapillaris flow deficits associated with the growth and exudation of MNV

14.51-14.59 - Alexandra Miere, Eric Souied - Are long-term quantitative choriocapillaris flow impairments associated with AMD?

14.59-15.06 - Nadia Waheed - Are macular choriocapillaris flow deficits associated with the severity of diabetic retinopathy?

15.06-15.13 - Richard Rosen - Nonperfusion and Reperfusion revealed in serial Using Reference-Based OCT Angiography Perfusion Density Mapping

15.13-15.20 - Francesco Pichi - Are choriocapillaris and choroidal flow deficits associated with inflammatory conditions

15.20-15.30 - Discussion

Macular Degeneration, CNV 5

The Expanded Spectrum of treatment naïve non exudative Macular Neovascularization

Chairs: Giuseppe Querques, Philip J Rosenfeld, Nadia K Waheed

15.20-15.27 - Giuseppe Querques - The Spectrum of Treatment-Naive Subclinical Macular Neovascularization

15.27-15.34 - Philip J. Rosenfeld - Natural History of Subclinical non exudative Neovascularization in AMD

15.34-15.41 - Nadia K. Waheed - Vascularized drusen in AMD

15.41-15.49 - Vittorio Capuano - Quiescent Macular Neovascularization in Geographic Atrophy

15.49-15.56 - Riccardo Sacconi - Quantitative analysis of Quiescent neovascularization using OCT-A

15.56-16.03 - Enrico Borrelli - Quiescent Macular Neovascularization in Pachychoroid disease

16.03-16.13 - Discussion

Macular degeneration, CNV 4 Treatment

Chairs: Francesco Bandello, Francesco Boscia

16.13-16.20 - Francesco Viola - OCT/angio OCT

16.20-16.27 - Francesco Viola - Faricimab (Roche) First results

16.27-16.34 - Francesco Bandello - Conbercept, first results

16.34-16.41 - Romano Danesi - Pharmacological properties of intravitreal aVEGF agents: focus on innovative molecules

16.41-16.48 - Francesco Boscia - Brolucizumab: fluid control in wAMD

16.48-16.55 - Stela Vujosevic - wAMD: focus on new evidences in 2019

16.55-17.02 - Francesco Viola - T&E: what to do and what to expect -

17.02-17.09 - Marco Lupidi - Anti-VEGF and PCV: is it still time for PDT?

17.09-17.19 - Discussion

Defining new vessels imaging and activity biomarkers CNV 4

Chairs: Marco Rispoli, David Sarraf

17.19-17.26 - Luca di Antonio - Choroidal neovessels: imaging overview

17.26-17.33 - Marco Rispoli - Quantitative vascular density changes in choriocapillaris around CNV after treatment: the dark halo

17.33-17.40 - David Sarraf - Evolution of neovascularization in AMD using OCT Angiography

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17.40-17.47 - **K. Bailey Freund**- Masqueraders of Type 3 Neovascularization
17.47-17.57 - **Discussion**

Dry Macular degeneration

Chairs: Giovanni Staurenghi, Michel Paques

17.57-18.04 - **Giovanni Staurenghi** - OCT classification of geographic atrophy
18.04-18.11 - **Elisabetta Pilotto** - Müller cells and choriocapillaris in the pathogenesis of geographic atrophy secondary to age-related macular degeneration
18.11-18.18 - **Michel Paques** - Time-lapse imaging of dry AMD
18.18-18.25 - **Giovanni Staurenghi** - The importance of multimodal imaging to predict geographic atrophy
18.25-18.32 - **Sandrine A. Zweifel, C. Haensli** - Choriocapillaris flow voids around geographic atrophy in patients with and without Outer Retinal Tubulations, measured with swept-source optical coherence tomography
18.32-18.42 - **Discussion**

YELLOW Hall

Histological Validation of OCT and OCTA Signatures

Chairs: Christine A. Curcio, K. Bailey Freund

14.00-14.07 - **Chandra Balaratnasingam** - OCTA-histology correlation of the macular circulation
14.07-14.14 - **Christine A. Curcio** - Imaging-histology correlations in non-neovascular AMD
14.14-14.21 - **Serena Fragiotta** - Hyperreflective crystalline deposits in non-neovascular AMD
14.21-14.28 - **K. Bailey Freund** - Clinical relevance of non-exudative type 1 neovascularization
14.28-14.35 - **Ling Chen** - Clinicopathologic correlation of non-exudative type 1 neovascularization
14.35-14.45 - **Discussion**

14.45-15.00 - Keynote Lecture

Eric Souied - Pathways from CNV to fibrosis

15.00 – 15.45 - Keynote Lectures

K. Bailey Freund - Current understanding of Pachychoroid disease

The Pachychoroid Disease Spectrum 1

Chairs: K. Bailey Freund, Won Ki Lee

15.45-15.52 - **Won Ki Lee** - Retinoschisis in eyes with pachychoroid
15.52-15.59 - **Gemmy Cheung** - SS-OCT and OCTA in Pachychoroid disorders
15.59-16.06- **Jay Chhablani** - Consensus nomenclature for CSCR
16.06-16.13 - **K. Bailey Freund** - 3D rendering of aneurysmal pachychoroid neovascuopathy
16.13-16.20 - **Hideki Koizumi** - Ocular biometry in CSC
16.20-16.30 - **Discussion**

The Pachychoroid Disease Spectrum 2

Chair: K. Bailey Freund

16.30-16.37 - **Mark Nelson** - Exudative Maculopathies – Polymorphic Spectrum of Pachychoroid, Central Serous Chorioretinopathy, and Choroidal Neovascularization (CNV) – Classification, Diagnosis and Treatment
16.37-16.44 - **Claire Scemama-Timsit, Vivien Vasseur, Benjamin Wolff, Élise Boulanger-Scemama, Martine Mauguet-Fayse** - Type 2 Neovascularization and Pachychoroid Pigment epitheliopathy: a new Association
16.44-16.51 - **Marco Lupidi, Daniela Fruttini, Chiara Maria Eandi, Massimo Nicolò, Diogo Cabral, Silvia Tito, Carlo Cagini, Felice Cardillo Piccolino** - Chronic Neovascular Central Serous Chorioretinopathy: A Stress/Rest Optical Coherence Tomography Angiography Study
16.51-17.00 - **Discussion**

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CSC

Chairs: Ethan Priel, Thomas Theelen, Tok-Han Lim

17.00-17.07 - Thomas Theelen, H el ene Baak, Caroline W. Klaver, Carel B. Hoyng - Accuracy of optical coherence tomography angiography in detecting subretinal neovascularization associated with central serous chorioretinopathy

17.07-17.14 - Tock Han Lim - Multimodal Imaging Correlation for CSCR/Pachychoroid Spectrum

17.14-17.21 - Orly Gal-Or - Choroidal neovascularization complicating Central Serous Chorioretinopathy evaluated by OCT Angiography

17.21-17.28 - Ethan Priel - OCTA in CSCR - New and Multi-Modal Imaging Findings

17.28-17.35 - Giovanni Staurenghi - Color AF Findings in CSCR

17.35-17.40 - Discussion

Study of the choroid by OCT and OCT-A

Chair: Jose Maria Ruiz Moreno

17.40-17.47 - Rufino Silva - The choroid in a Caucasian Population with PCV

17.47-17.54 - Jorge Ruiz-Medrano Clinical applications of OCTA in pachychoroid disease

17.54-18.01 - Ignacio Flores-Moreno - The choroid in pachychoroidal epitheliopathy, central serous chorioretinopathy and pachychoroidal neovascuopathy

18.01-18.08 - Jay Chhablani - Study of the choroid by OCT: Choroidal Biomarkers

18.08-18.18 - Discussion

GREEN Hall

Diabetic Retinopathy 1

Chair: Edoardo Midena

14.00-14.07 - Edoardo Midena - M uller cells in diabetes: imaging and liquid biopsy

14.07-14.14 - Edoardo Midena - OCTA in the treatment of diabetic macular edema: pearls and pitfalls

14.14-14.21 - Luisa Frizziero - The fourth retinal capillary plexus in diabetes

14.21-14.28 - Ana Rita Santos - Two-year progression of diabetic retinopathy. A multimodal imaging approach

14.28-14.35 - Zhao Yue, Yao Mudi, Tang ShuiJing, Shen Yi, Xu XiangZhong, Yan ZhiPeng, Yao Jin, Jiang Qin - Evaluation of Optical Coherence Tomography Angiography Macular Quantitative Indicators as Prediction of Diabetic Retinopathy Stages

14.35-14.42 - Ana Rita Santos - Different disease pathway in the initial stages of diabetic retinopathy, identified by multimodal imaging

14.42-14.52 - Discussion

Classifying Diabetic Retinopathy Severity: Time to go Beyond the ETDRS system

Chair: Amani Fawzi

14.52-14.59 - Lee Jampol - ETDRS: Historical Perspective

15.59-15.06 - Lee Jampol - ETDRS: Current Weaknesses

15.06-15.13 - Nadia Waheed - Wide angle OCTA as a potential tool for improving DR classification

15.13-15.20 - Alain Gaudric - Deep Dive: depth-resolved, wide-angle capillary density in healthy and diabetic eyes

15.20-15.27 - Amani Fawzi - Can we predict DR progression?

15.27-15.34 - Ramin Tadayoni - Intelligent evaluation of diabetic retinopathy

15.34-15.41 - Richard Rosen - OCT Angiography Capillary Perfusion Densities versus the Early Treatment Diabetic Retinopathy Study Grading Scale

15.41-15.51 - Discussion

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Diabetic Retinopathy 2

Chairs: Sebastian Wolf, Khalil Falavarjani, Miho Nozaki, Sandrine Zweifel, André Romano

15.51-15.58 - Sebastian Wolf - OCT-A in the diagnosis of early vascular changes in diabetic retinopathy

15.58-16.05 - Khalil Falavarjani - Effect of segmentation error correction on optical coherence tomography angiography measurements in healthy subjects and diabetic macular oedema

16.05-16.12 - Dana Cernohuba - Vessel density and FAZ evaluation in diabetic retinopathy at OCTA

16.12-16.19 André Romano - Projection resolved OCT Angiography parametersto determine severity in Diabetic Retinopathy

16.19-16.26 - Maltsev DS, Kulikov AN, Burnasheva MA, Kazak AA, Chhablani J. - Structural en face optical coherence tomography imaging for identification of leaky microaneurysms in diabetic macular edema

16.26-16.33 - Miho Nozaki, Aoi Kominami, Munenori Yoshida, Yuichiro Ogura - Diabetic macular edema and microaneurysms in deep capillary plexus

16.33-16.43 - Discussion

Diabetic Retinopathy 3: treatment

Chairs: Edoardo Midena, Khalil Falavarjani, Angelo Minnella, André Romano

16.43-16.50 - Khalil Falavarjani, Reza Mirshahi, David Sarraf - Changes in macular non-perfusion after anti-VEGF therapy in DME

16.50-16.57 - Edoardo Midena - Factors affecting functional or anatomic outcomes when treating DME

16.57-17.04 - Silvia Bini - New targets for micropulse laser in diabetic macular edema

17.04-17.11 - Angelo Minnella - Morphological and functional assessment in patients with DME treated by fluocinolone acetonide

17.11-17.18 - Haensli Christof, Fasler Katrin, Zweifel Sandrine A. - Changes of individual Diabetic Retinal Neovascularizations under Treatment with intravitreal Anti-VEGF or Laser using Optical Coherence Tomography Angiography

17.18-17.25 - Martín Flores-Aguilar, Selma Alin Somilleda-Ventura, Dulce Milagros Razo Blanco-Hernández, Virgilio Lima-Gómez - High correlation between total macular thickness and ganglion cell layer thickness in subjects without diabetes and subjects with diabetes without retinopathy

17.25-17.35 - Discussion

Vascular Disorders, blood flow

Chairs: Dmitrii Maltsev, Jay Chhablani, Sandrine Zweifel, Florence Coscas

17.35-17.42 - Dmitrii Maltsev, AN Kulikov, MA Burnasheva, Jay Chhablani - Resolved paracentral acute middle maculopathy lesions in fellow eyes of patients with unilateral retinal vein occlusion

17.42-17.49 - Claudia Acosta, Miguel Gloria, Alejandro Lavaque, Vania Garcia, Evelin Torres, Carlos Miguel, Ángel Ríos, Magali Buendía, Juan Manuel, Jiménez Rodrigo Lechuga, Carolina Sardi Juan Gonzalo Sanchez, Carlos Aníbal Restrepo - Relationship between geographic altitude,foveal avascular zone metrics and vascular density values assessed by optical coherence tomography angiography

17.49-17.56 - Wiest Maximilian, Zollinger Lukas, Zweifel Sandrine A. - Changes in Retinal Blood Flow in Study Subjects during Valsalva Maneuver

17.57-18.03 - Maryam Ashraf Khorasani, Abbas Habibi, Pasha Anvari, Sharyar Ghasemizadeh, Khalil Ghasemi Falavarjani - Retinal and optic disc micro vascular changes after acute intraocular pressure elevation in healthy and diabetic patients measured by optical coherence tomography angiography

18.03-18.10 - Nadhini Arumuganathan, Irene Beck, Katrin Fasler, Sandrine Anne Zweifel - Acute and subacute changes in retinal and choroidal blood flow following intravitreal anti-vegf injections

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18.10-18.17 - Diogo Cabral, Florence Coscas, Agnes Glacet-Bernard, Telmo Pereira, Carlos Geraldos, Ana Papoila, Gabriel Coscas, Eric Souied - Biomarkers of peripheral nonperfusion in retinal venous occlusions using Optical Coherence Tomography Angiography
18.17 - 18.24 - Violaine Caillaux, C. Sevin, MJ. Bovis, F. Perrenoud, Michel Puech, Maté Streho - Effect of intravitreal injections of anti-VEGF in nAMD on the peri-papillary flow density
18.24-18.35 - Discussion

BLUE Hall

Ocular Inflammation, Uveitis

Chairs: Moncef Khairallah, Sandrine Zweifel

14.00-14.07 - Xiaoxin Li, Xuan Shi, Yi Cai, Xiangdong Luo, Shuting Liang, Philip Rosenfeld - Transmissions can distinguish PIC, PIC-CNV and M-CNV
14.07-14.14 - Moncef Khairallah, Imen Ksaa, Hager Ben Amor, Sana Khochtali, Riadh Messaoud - Combined swept-source OCT and OCT angiography in the appraisal and management of Behçet retinal vasculitis
14.14-14.21 - Sandrine A. Zweifel, J. Baur, M. Al-Sheikh, K. Fasler - Optical Coherence Tomography Angiography findings in patients with systemic lupus erythematosus
14.21-14.28 - Meng Tian, Christoph Tappeiner, Martin S. Zinkernagel, Sebastian Wolf, Marion R. Munk - Evaluation of vascular changes in posterior uveitis using swept source wide-field optical coherence tomography angiography
14.28-14.35 - Moncef Khairallah, Sourour Zina, Molka Khairallah, Nesrine Abroug, Anis Mahmoud - Combined swept-source OCT and OCT angiography in the appraisal and management of placoid chorioretinopathies
14.35-14.42 - Joel Hanhart, Hanan Nussinovitch, Boaz Shaer Itay Magal, Philip J Hashkes, David Zadok - OCT-angiography detection of a peripapillary CNV not captured by fluorescein angiography in sarcoidosis with severe vitritis
14.42-14.47 - Discussion

OCT Angiography and Multi-modal imaging in the management of White-Dot Syndromes and Choroiditis

Chair: Albert Augustin

14.47-14.54 - Albert J. Augustin - Multi-modal Imaging and OCT Angiography: what role in the diagnosis of White-Dot Syndromes?
14.54-15.01 - Emiliano Di Carlo - The role of OCT Angiography in the diagnosis and management of White-Dot Syndromes complicated by choroidal neovascularization
15.01-15.08 - Ester Carreno - Multifocal choroiditis with Panuveitis, Serpiginous and Serpiginous-like choroiditis: an OCT Angiography-based approach
15.08-15.15 - Tito Fiore - Multi-modal Imaging and OCT Angiography evaluation of Relentless placoid chorioretinitis
15.15-15.22 - Francesco Pichi - Diagnosis and management of systemic-related choroiditis with the aim of OCT Angiography and Multi-modal Imaging
15.22-15.32 - Discussion

Imaging Outcomes and Endpoints in Retinal Vascular Disease and Uveitis

Chairs: Diana V. Do, Itay Chowers, Quan Dong Nguyen

15.32-15.39 - Yasir J. Sepah - Comparison of Foveal Avascular Zone Measurement using Optical Coherence Tomography Angiography and Fluorescein Angiography
15.39-15.46 - Ruwan Silva - OCT and Adaptive Optics in Solar Maculopathy
15.46-15.53 - HoangMai Le - Idiopathic Foveal Hypoplasia: Quantitative Analysis Using Optical Coherence Tomography Angiography
15.53-16.00 - Carolyn K. Pan - OCT in Obstructive Sleep Apnea and Central Serous Chorioretinopathy

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16.00-16.07 - Diana V. Do - OCT Outcomes in Eyes Treated with KSI-301

16.07-16.14 - Itay Chowers - OCT Assessment of the Correlation of Response to Treatment with anti-VEGF Compounds Between Fellow Eyes in Diabetic Macular Edema

16.14-16.24 - Discussion

16.24 – 16.39 - Keynote Lecture

Barbara Parolini - A new way to look at myopic traction maculopathy

OCT and Surgery 1

16.39-16.46 - Jakub J. Kaluzny, Przemysław Zabel, Martyna Kaluzna, Aleksander Lamkowski, Damian Jaworski - Correlation between microperimetry and en face OCT in eyes after pars plana vitrectomy for full thickness macular hole

16.46-16.53 - M. Marques, C. Rodrigues, D. Cabral, A. Fernandes Fonseca, C. Geraldos, A. Papoila, S. Barrão - Tractional abnormalities of the central foveal bouquet: a potential biomarker for epiretinal membrane peeling surgery

16.53-17.00 - Omar Trabelsi - Macular changes in OCT-A after vitrectomy for retinal detachment

17.00-17.07 - Andrea Scupola, MG Cozzupoli, L. Ruggeri, M.A. Blasi - Assessment of the deformation and thickness changes of neuroepithelial layer in the Epiretinal membrane using spectral-domain optical coherence tomography

17.07-17.17 - Discussion

Myopia and Myopic Maculopathy

Chairs: Michel Puech, Svetlana Zhukova

17.17-17.24 - Svetlana Zhukova, Tatiana Iureva - Role of short ciliary arteries in myopic choroidal neovascularization

17.24-17.31 - Jean Francois Le Rouic - From Lacquer's crack to chorioretinal atrophy. A nine-year follow-up with SD-OCT

17.31-17.36 - Discussion

Pathologic Myopia and Myopic Maculopathy. Multimodal study

Chair: José Maria Ruiz Moreno

17.36-17.43 - Ignacio Flores-Moreno Myopic traction maculopathy

17.43-17.50 - Suzanne Yzer - Multimodal imaging on posterior staphyloma

17.50-17.57 - José Maria Ruiz-Moreno - OCTA in myopic maculopathy.

17.57-18.04 - Jorge Ruiz-Medrano - Myopic maculopathy classification: ATN

18.04-18.15 - Discussion

PURPLE Hall

OCT in inherited retinal dystrophies

Chairs: Martine Mauget Fajssse, Isabelle Meunier

15.30-15.37 - Xavier Zanlonghi, B. Bocquet B, Isabelle Meunier, M. Charif, G. Lenears, C. Delettre - SSBP1 Gene: Multimodal Imaging of Optic Nerve Diseases and Fovea

15.37-15.44 - Sabine Derrien, Elsa Laumonier, R. Lejoyeux, M. Robert, Vivienne Vasseur, AS Alonso, Martine Mauget-Fajssse - Macular Genesis in Albinism

15.44-15.53 - Elise Boulanger-Scemama, I. Audo, Marco Nassisi, J. Birtel, S. Mohand-Said, B. Ekpe, A. Antonio, C. Condroyer, F. Boyard, JA Sahel, P. Charbel Issa, C. Zeitz - Clinical and mutation spectrum of a European cohort with autosomal recessive Bestrophinopathy

15.53-16.00 - Edouard Augstburger, R. Orès, S. Mohand-Said, S. Mrejen, C. Keilani, A. Antonio, C. Condroyer, C. Andrieu, JA Sahel, C. Zeitz, I. Audo - Outer retinal alterations associated with visual outcomes in Best vitelliform macular dystrophy

16.00-16.07 - Isabelle Meunier - When OCT is not sufficient for retinal dystrophy diagnosis

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16.07-16.14 - Marco Nassisi, C. Lavia, S. Mohand-Said, M. Chapon, S. Sancho, C. Zeitz, JA Sahel, I. Audo - OCTA findings correlated with other multimodal imaging techniques in rod-cone dystrophies

16.14-16.21 - Sabine Defoort - Dhellemmes. Portable OCT in children with retinal dystrophies

16.21-16.28 - Bart P. Leroy - Mild phenotype of retinal dystrophies identified by imaging

16.28-16.35 - Ismael Chehaibou, R. Orès, S. Mohand-Said, JA Sahel, I. Audo I - Carbonic anhydrase inhibitors for the management of cystic macular lesions in X-linked retinoschisis

16.35-16.42 - Elsa Laumonier, Elisa Boulanger, Vivienne Vasseur, AS Alonso, Sabine Derrien, Martine Mauget-Fajsse, Claire Scemama - Clinical cases of interest

16.42-16.49 - Fernández-Avellaneda P, Breazzano MP Fragiotta S, Ledesma-Gil G, Lima de Carvalho Jr JR, Tsang SH, Horowitz JD, Spaide R, Freund KB, Yannuzzi LA - Novel vitreous and retinal vascular abnormalities associated to Enhanced S-cone Syndrome

16.49-16.56 - Benedetto Falsini - ERG advanced techniques in hereditary degenerations

16.56-17.06 - Discussion

Neuro degenerative Disorders

Chair: Albert J. Augustin

17.06-17.13 - Albert J. Augustin - OCT Angiography and Multimodal Imaging in neuro-ophthalmology -Introduction

17.13-17.20 - Richard Rosen - Papilledema and Pseudotumor cerebri: what role for OCT Angiography?

17.20-17.27 - Umur Kayabasi - Analysis of optic disc and retinal perfusion with OCT Angiography in neurodegenerative disease

17.27-17.34 - Marco Lupidi - The role of OCT and OCT Angiography in Leber's Hereditary Optic Neuropathy

17.34-17.41 - Gilda Cennamo - Assessment of optic disc perfusion in ischemic optic neuropathy

17.41-17.48 - Umur Kayabasi - Correlation of retinal plaques with inner foveal thickness measurements in Alzheimer's (SD- OCT study)

17.48-17.55 - Leila El Matri - OCT Angiography findings in multiple sclerosis

17.55-18.00 - Discussion

SATURDAY

RED Hall

7.45 – 8.30 - Symposium HEIDELBERG

Foveal avascular zone

Chairs: Yali Jia, Toco Chui

8.30-8.37 - Toco Y Chui - Assessment of FAZ enlargement in different stages of DR using en face OCT reflectance and OCTA

8.37-8.44 - Joseph Carroll - Issues in Interpreting FAZ-Based Metrics

8.44-8.51 - Yali Jia - 3D evaluation of foveal ischemia in diabetic retinopathy: method and validation

8.51-8.58 - Amani Fawzi - TBD

8.58-9.05 - Xiaoyan Ding - FAZ changes in retinal diseases

9.05-9.15 - Discussion

Anatomy and function of retina and capillaries

Chair: Alain Gaudric

9.15-9.22 - Michel Paques - The 3D anatomy of macular capillaries

9.22-9.29 - Yali Jia - Four capillary networks in diabetic retinopathy revealed by wide-field OCTA

9.29-9.36 - Carlo Lavia, Alain Gaudric - Retinal capillary plexuses from the fovea to equator

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9.36-9.43 - Amani Fawzi - Differential regulation of the 3 capillary networks, implications in health and diabetes

9.43-9.50 - David Sarraf - Pathoanatomy of the DCP and Associated Clinical Consequences

9.50-10.00 - Discussion

Retinal Ischemia

Chair: Francesco Bandello

10.00-10.07 - Alain Gaudric - Do Anti-VEGF really recanalize retinal capillaries?

10.07-10.14 - Shoba Sivaprasad - Evaluation of capillary non-perfusion in a multicenter trial

10.14-10.21 - Lee Jampol - DRCR.net - Retinal non-perfusion, perimetry and Anti-VEGF therapy

10.21-10.28 - Ana Rita Santos - Which is the best approach to proliferative diabetic retinopathy

10.28-10.35 - Rami Weitz - Adaptive Optics SLO Imaging of Intermittent Capillary

Perfusion on OCT Angiography

10.35-10.45 - Discussion

Visible light OCT

Chairs: Yali Jia, Hao Zhang

10.45-10.52 - Hao Zhang - OCT oxymetry OCT oximetry (rat and human)

10.52-10.59 - Vivek J. Srinivasan - OCT oxymetry

10.59-11.06 - Ji Yi - OCT oxymetry

11.06-11.13 - Yali Jia - Visible-light OCT angiography and oximetry in rat retina

11.13-11.20 - Bernhard Baumann - Visible-light OCT

11.20-11.27 - Marinko Sarunic - Visible light sensorless adaptive optics for multi-modality retinal imaging

11.27-11.34 - Shuliang Jiao - Visible-light OCT-based multimodal retinal imaging

11.34-11.41 - Hiroshi Ishikawa - OCT oximetry (clinical data)

11.41-11.51 - Discussion

Keynote Lecture

Quan Dong Nguyen - Advanced Ocular Imaging in the Management of Uveitis

Quantitative Strategies in the Evaluation of Retinal Disease using OCT/OCTA and Ultra-Wide Field Based Platforms

Chairs: David Sarraf, Justis Ehlers

12.06-12.13 - Sumit Sharma - Higher Order OCT Characterization and Quantitative Feature Extraction in Diabetic Macular Edema

12.13-12.20 - Justis Ehlers - Quantitative UWFA in Diabetic Eye Disease: Opportunities for New Assessment of Disease Activity

12.20-12.27 - Katherine Talcott - Macular Ellipsoid Zone Integrity Quantification in Retinal Diseases

12.27-12.34 - Daniel Martin - Challenges in Clinical Trials with Novel Quantification Strategies and Emerging Imaging Modalities

12.34-12.41 - Francesco Pichi - Quantitative analysis of choroidal granulomas using swept source OCTA

12.41-12.48 - Sunil Srivastava - Quantitative Imaging in Uveitis

12.48-12.58 - Discussion

13.00 – 13.45 - Lunch Symposium TOPCON

(Lunch boxes available for the first 250 attendees)

Superior Visualization with Swept Source OCT and OCT Angiography

Moderator: Gemmy Cheung

Vasilios Papastefanou - Can the Hood report be considered in multimodal screening of macular disease?

Gerasimos Anastassiou - Effective multimodal imaging for diagnosis and treatment of maculopathy in cases of DME and RVO

Gemmy Cheung - SS-OCT and OCTA in Pachychoroid disorders

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Yellow Hall

OCT and Surgery 2

Chair: Stanislao Rizzo

8.30-8.37 - Stanislao Rizzo - Intraoperative OCT: a necessary tool for the right decision?

8.37-8.44 - Francesco Faraldi - Epiretinal macular membranes: the role of multimodal imaging.

8.44-8.51 - Paolo Lanzetta - OCT and multimodal imaging in macular hole surgery: are there further prognostic parameters?

8.51-8.58 - Francesco Boscia - OCT and multimodal imaging In Retinal Detachment

8.58-9.05 - Cesare Mariotti - AMD complications: the role of multimodal imaging in surgical decision-making

9.05-9.12 - Daniela Bacherini - Clinical case discussion: what is your OCT-based surgical choice?

9.12-9.19 Tommaso Rossi, Stanislao Rizzo, Tomaso Caporossi, Daniela Bacherini - Post-Surgical macular holes: OCT revised classification

9.19-9.29 - Discussion

Advances in imaging technology and methods 1

Chairs: James Fujimoto, Robert J. Zawadzki

9.29-9.36 - Thomas Ach - Fundus autofluorescence: improved methods for advanced emission signal analysis

9.36-9.43 - Michael Pircher - Extending the field of view in AO-OCT

9.43-9.50 - Robert J. Zawadzki - Progress on cellular resolution light evoked retinal ophthalmophysiology (aka. optoretinography)

9.50-9.57 - Yuankai Kenny Tao - Multimodality handheld imaging technologies for point-of-care ophthalmic OCT and OCT-A

9.57-10.04 - Eric Moult - Methods for analyzing choriocapillaris impairment with OCTA

10.04-10.11 - James Fujimoto - Advances in imaging speed and resolution using SS-OCT and SD-OCT

10.11-10.21 - Discussion

Advances in imaging technology and methods 2

Chairs: James Fujimoto,

10.21-10.28 - Wolfgang Drexler - Towards ophthalmic spectral and swept source OCT on a chip at 840 nm

The state-of-the-art in artificial intelligence

Chairs: Ursula Schmidt Erfurth, Paolo Lanzetta

10.28-10.35 - Michael Abramoff - Why does healthcare need AI? Big data and resource optimization

10.35-10.42 - Ursula Schmidt-Erfurth - The dawn of artificial intelligence: An introduction to AI, machine learning, deep learning, some mentioning on applications in ophthalmology.

10.42-10.49 - Bianca Gerendas - Machine learning applications for doctor-patient interactions

10.49-10.56 - Daniele Veritti, Paolo Lanzetta - Behind the mask: machine morality. Ethics, moral and legal liability on AI in health care

10.56-11.03 - Hrvoje Bogunovic - Breaking the black box: a responsible innovation of artificial intelligence

11.03-11.13 - Discussion

Deep Learning Artificial Intelligence

Chairs: Guotong Xie, Min Wang

11.13-11.20 - Guotong Xie, Chuanfeng Lv, Min Wang, Qienyuan Zhou, Jay Wei, Xinghai Sun - Multiple Retinal Lesion Detection and Quantification for OCT Screening Based on Deep Learning Methods

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11.20-11.27 - Min Wang, Lilong Wang, Qienyuan Zhou, Yulia Wolfson, Xinghuai Sun, Chuanfeng Lv, Guotong Xie, Jay Wei - A study of OCT artificial intelligence screening method for ocular fundus diseases

11.27-11.32 - Discussion

Artificial Intelligence

Chairs: Marion Munk, Shin Kadomoto, Karl Csaky

11.32-11.39 - Marion Munk - Extraction of patient specific information in the wild

11.39-11.46 - Karl Csaky - How Human Computational Analysis Input in Machine Learning Allows for Improved Detection of OCT Structures in Intermediate AMD

11.46-11.53 - Shin Kadomoto, Akihito Uji, Yuki Muraoka, Makihira Tomoyuki, and Akitaka Tsujikawa - The Impact of Deep Learning Reconstruction on OCT Angiography Image

11.53-12.00 - Benjamin Y. Xu - Artificial Intelligence and Automated Analysis of Anterior Segment OCT Images

12.00-12.07 - Yasmine Derradji, Agata Mosinska, Emy Valk Bouman, Sandro De Zanet, Carlos Ciller, Irmela Mantel - Artificial Intelligence and Geographic Atrophy Analysis in AMD

12.07-12.14 - Daniela Ferrara - Artificial Intelligence for clinical predictions in diabetic retinopathy

12.14-12.21 - Benjamin Y. Xu - Artificial Intelligence and Automated Analysis of Anterior Segment OCT Images

12.21-12.30 Discussion

12.30 - 13.15 - Lunch Symposium MILOFTALMICA

(Lunch boxes available for the first 100 attendees)

Don't be in the dark about AMD diagnose and treat AMD early

Alessandro Invernizzi

Mariano Cozzi

Marion Munk

GREEN Hall

The role of OCT-A in multimodal imaging

Chair: Giovanni Staurenghi

8.30-8.37 - Mariano Cozzi - Age related macular degeneration

8.37-8.44 - Marco Pellegrini - Ocular oncology

8.44-9.01 - Alessandro Invernizzi - Uveitis

9.01-9.08 - Giovanni Staurenghi - Hereditary dystrophies

9.08-9.15 - Giovanni Staurenghi - Pitfalls of OCTA

9.15-9.20 - Discussion

Imaging 1

Chairs: Theodore Leng, Michel Paques, Jean Michel Muratet

9.20-9.27 - Theodore Leng - Multimodal high-resolution imaging of epiretinal membranes including adaptive optics

9.27-9.34 - Michel Paques - Organization of macular capillaries: A 3D histology study

9.34-9.41 - Jean Michel Muratet - Oct Angiography and non mydriatic confocal retinography

9.41-9.48 - Giovanni Staurenghi - The differences between Sd-OCT and SS OCT

9.48-9.55 - Timur Shaimov, Venera Shaimova, Alexey Galin, Ruslan Shaimov, Alexey Fomin - New OCT technique: from the center to the periphery

9.55-10.02 - Vivien Vasseur, Anne Sophie Alonso, Martine Mauget-Faysse - The HMM lens (high magnification lens) in daily clinical practice

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10.02-10.09 - Bartosz L. Sikorski- Krzysztof Krawiec - Quantification of Retinal Vessel Density, Perifoveal Avascular Zone and Non-perfusion Areas in Optical Coherence Tomography Angiography Images
10.09-10.15 - Discussion

Do you think all the OCTA are the same? Comparison of OCT-A images between devices

Chairs: Giovanni Staurenghi, Joseph Carroll

10.15-10.22 - Brandon Lujan - Why do your OCT-A images look better than ours
10.22-10.29 - Giovanni Staurenghi - Do you think all the OCT-A are the same?
10.29-10.36 - Marion Munk - Qualitative and quantitative differences of OCTA devices from a reading center perspective
10.36-10.43 - Peng Xiao - Recent progress in full-field OCT for ophthalmic imaging
10.43-10.50 - Joseph Carroll - Comparing FAZ metrics from different OCT-A devices
10.50-10.57 - Leopold Schmetterer - Large vessel removal in OCTA
10.57-11.04 - SriniVas Sadda - Quantitative OCT-A metrics from different OCT-A instruments
11.04-11.11 - Adrian Podoleanu, Ramona Cernat, Adrian Bradu, Yong Hu, Manuel Marques - From Master Slave OCT to down-conversion OCT for fast en-face imaging of the retina
11.11-11.20 - Discussion

BLUE Hall

Macular Degeneration, CNV 2

Chairs: Min Wang, Philip J. Rosenfeld, Sylvia Nghiem Buffet, Anat Loewenstein

8.30-8.37 - Anat Loewenstein, Dafna Goldenberg - Early detection and home monitoring of macular degeneration
8.37-8.44 - Amir Kashani - RPE Monolayer Transplantation for Severe Vision Loss Associated with Geographic Atrophy and Advanced Dry Age Related Macular Degeneration
8.44-8.51 - Anat Loewenstein, Dafna Goldenberg - Slow release devices for the management of AMD
8.51-8.59 - Xiaodong Sun - Comparison of Morphologic Characteristics of Type 1 and Type 2 CNV in Eyes with Neovascular AMD using OCT Angiography
8.59-9.06 - Philip J. Rosenfeld - A Comparison Study of Polypoidal Choroidal Vasculopathy Imaged with Indocyanine Green Angiography and Swept Source OCT Angiography
9.06-9.13 - Irmela Mantel - Determining complete atrophy on SD-OCT using a deep learning algorithm
9.13-9.20 - Min Wang - Evaluating neovascularization with swept source OCT
9.20-9.29 - Sylvia Nghiem Buffet - OCT angiography peripapillary vessel perfusion density in wet AMD patients with repeated anti-VEGF injections
9.29-9.36 - Lisette M. Smid, Koenraad A. Vermeer, King T. Wong, José P. Martinez, Mirjam E.J. van Velthoven - Observer agreement for detection of OCT-A characteristics associated with type 3 neovascularization
9.36-9.46 - Discussion

Quiescent Macular Neovascularization

9.46-9.53 - Donato Colantuono, Alexandra Miere, Vittorio Capuano, Riccardo Sacconi, Enrico Borrelli, Giuseppe Querques, Eric Souied - Quantitative deep capillary plexus analysis in optical coherence tomography angiography: quiescent neovascularization versus intermediate and neovascular AMD
9.53-10.00 - Rita Serra, Florence Coscas, Antonio Pinna, Diogo Cabral, Gabriel Coscas, Eric Souied - Quantitative optical coherence tomography angiography features of treatment-naïve quiescent choroidal neovascularization in age-related macular degeneration
10.10-10.05 - Discussion

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Role of Centralized Reading Amidst the Emergence of Artificial Intelligence A Panel Discussion

Chairs: Quan Dong Nguyen, Syed Mahmood Shah

- 10.05-10.12 - Michael Ip, Srinivas Sadda
- 10.12-10.19 - Brandon Lujan
- 10.19-10.26 - Yasir J. Sepah
- 10.26-10.33 - Nadia Waheed
- 10.33-10.40 - Sebastian Wolf
- 10.40-10.50 - Discussion

Is FA still useful in OCTA era?

Chair: Maria Cristina Savastano

- 10.50-10.57 - Amani Fawzi - Diabetic Retinopathy: OCTA or FA?
- 10.57-11.04 - David Sarraf - New diseases discovered by OCTA – PAMM
- 11.04-11.11 - Maria Cristina Savastano - NV incidence in CSC by OCTA
- 11.11-11.18 - Stanislao Rizzo - OCTA in epiretinal membrane removal: predictive information?
- 11.18-11.25 - Giuseppe Querques - In which diseases is it still necessary to use FA?
- 11.25-11.35 - Discussion

PURPLE Hall

46 - Quick Fire

Chairs: Anita Leys, Martine Mauget Faysse, Moncef Khairallah

- 8.30-8.35 - Panos Gartaganis, Iannis Giannakis, Evaggelos Kouremenos - Management of late occurrence of fingolimod associated macula oedema (FAME)
- 8.35-8.40 - Françoise Belloir Furet - Dépistage de la sténose carotidienne et prévention des AVC par l'Angio Oct
- 8.40-8.45 - Evgeny Gelman, David Zadok, Joel Hanhart - Not all symptomatic CNVs leak
- 8.45-8.50 - Marina Banteka, Beckie MacPhee, Annegret Dahlmann-Noor, Thomas Dhanes - Octa in probable paediatric ocular sarcoidosis
- 8.50-8.55 - Robert Steigerwalt - A case of paracentral acute middle maculopathy (PAMM) treated by prostaglandin E1
- 8.55-9.00 - Neda Abraham, Karine Hawa, Michel Puech - Case report: Use of OCT-A in case of nevus becoming suspect nevus
- 9.00-9.05 - Nesrine Abroug, Molka Khairallah, Tarek Dridi, Wejdane Nebi, Bechir Jelliti, Sana Khochtali, Moncef Khairallah - Swept-source OCT angiography in tubercular retinal vasculitis
- 9.05-9.10 - Amal Kadri, Imen Ksiasa, Molka Khairallah, Hager Ben Amor, Sonia Attia, Sana Khochtali, Moncef Khairallah - Swept-source OCT angiography may show choriocapillaris flow reduction in typical Multiple Evanescent White Dot Syndrome
- 9.10-9.15 - Imen Ksiasa, Safa Ben Aoun, Molka Khairallah, Sourour Zina, Sihem Meddeb, Sana Khochtali, Moncef Khairallah - Multimodal imaging of unilateral acute maculopathy related to hand, foot, and mouth disease
- 9.15-9.20 - Sana Khochtali, Rim Kmiha, Maroua Rhomdhane, Jihene Nemria, Zohra Tritar, Bechir Jelliti, Moncef Khairallah - Swept-source OCT and OCT angiography in Purtscher retinopathy: a case report
- 9.20-9.25 - Hager Ben Amor, Amal Kadri, Imen Ksiasa, Mosaab Mefteh, Sonia Attia, Sana Khochtali, Moncef Khairallah - Swept-source OCT and OCT angiography in acute VKH disease
- 9.25-9.30 - Sana Khochtali, Amal Kadri, Sourour Zina, Molka Khairallah, Olfa Haj Taher, Sonia Attia, Moncef Khairallah - Swept-source OCT and OCT angiography in punctate inner choroidopathy
- 9.30-9.35 - Nesrine Abroug, Wejdane Nabi, Mohamed Ali Gargouri, Kais Ben Abderrahim, Bechir Jelliti, Emna Saihi, Moncef Khairallah - Swept-source OCT and OCT angiography in posterior microphthalmos

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- 9.35-9.40 - Imen Ksiaa, Safa Ben Aoun, Kais Ben Abderrahim, Hager Ben Amor, Bechir Jelliti, Sana Khohtali, Moncef Khairallah** - Swept-source OCT in the follow-up of patients with chronic VKH disease
- 9.40-9.45 - Ledesma-Gil G Fernández-Avellaneda Kaden T, Freund K, Yannuzzi LA** - Multimodal imaging of macular burns after a capsulotomy attempt using dual mode laser
- 9.45-9.50 - Aude Ambresin, I. Papasavvas, JA. Pournaras, J Vaudaux, Vasileia Chatzistergiou** - Characteristics of foveal hypoplasia on OCTA
- 9.50-9.55 - Ali Akbar Saber Moghaddam, Hamid Jafarzadeh, Mojtaba Abrishami** - Quantifying Microvascular and Structural Macular Changes in Active Thyroid-Associated Ophthalmopathy
- 9.55-10.00 - Baur Joel, Wiest Maximilian, Stemmler J., Zweifel Sandrine A.** - OCT-Angiography in Patients with Popper's Maculopathy (PM)
- 10.05-10.10 - Fatiha Karaouat, Rachid Garout** - When therapeutics complicate a clinical situation
- 10.10-10.15 - Khaled El Matri, Yousra Falfoul, Asma Hassairi, Rim Bouraoui, Ahmed Chebil, Leila El Matri** - Swept source OCT Angiography in aneurysmal type 1 neovascularization
- 10.15-10.20 - Khaled El Matri, Yousra Falfoul, Asma Hassairi, Issam Elleuch, Nebras Chaker, Leila El Matri** - OCT Angiography of the choriocapillaris in Retinitis Pigmentosa
- 10.20-10.25 - Larisa Ioannidi, K. Seliniotakis, A. Repa, G. Bertias, P. Sidiropoulos, M. Tsilimbaris** - Optical coherence tomography angiography in patients with systemic scleroderma: preliminary analysis from a single-center study
- 10.25-10.30 - João Bernardes, João Pedro Marques, Mário Soares, Pedro Melo, Dora Teixeira, Teresa Mesquita, Rufino Silva** - Multimodal Retinal Imaging in a large cohort of Pseudoxanthoma Elasticum
- 10.30-10.35 - Robert Steigerwalt Jr., Antonella Pascarella, Mauro De Angelis, Francesco Ciucci, Francesco Gaudenzi** - Ultra-Low-Molecular-Weight Heparin, Fondaparinux, in Retinal Vein Occlusions
- 10.35-10.40 - Kais Benabderrahim, Rahma Mesfar, Amira Trigui, Jamel Feki** - Anterior Segment Optical Coherence Tomography in Anterior Scleritis
- 10.40-10.45 - Kais Benabderrahim, Rahma Mesfar** - Anterior Segment Optical Coherence Tomography in the follow up of Corneal Hypersensitivity Reaction
- 10.45-10.50 - Elena B. Myakoshina, Svetlana V. Saakyan** - Optical coherence tomography - angiography in revealing predictors of small choroidal melanoma transpupillary thermotherapy efficiency
- 10.50 - 10.55 Katarzyna Michalska-Małecka, Anna Heinke, Kinga Biernat** - OCT and Angio-OCT biomarkers in diabetic macular edema

Macular Degeneration

Chairs: Florence Coscas, Jakob Siedlecki, Giuseppe Querques, Leila El Matri, Claudio Furino

- 10.55-11.02 - Lutsenko Nina, Rudycheva Olga, Isakova O., Kyrylova T., Unguryan N, Yatsun A.** - Modern capabilities of OCT-angiography in definition of diagnostic signs of retinal angiomatous proliferation
- 11.02-11.09 - Jakob Siedlecki, Cheryl Fischer, Benedikt Schworm, Karsten Kortüm, Ricarda Schumann, Armin Wolf, Siegfried G. Priglinger** - Impact of Sub-Retinal Fluid on the Long-Term Incidence of Macular Atrophy in Neovascular Age-related Macular Degeneration in anti-VEGF Treat & Extend Regimen
- 11.09-11.16 - Maria Oliva Grassi, Claudio Furino, Nicola Recchimurzo, Giovanni Alessio** - Pre-choroidal cleft in neovascular AMD: OCT and OCTA analysis during anti-VEGF treatment
- 11.16-11.23 - Florence Coscas, Diogo Cabral, Carlos Geraldos, Ana Papoila, Gabriel Coscas, Marco Lupidi, Salomon Yves Cohen, Eric Souied** - Quantitative Optical Coherence Tomography Angiography Biomarkers in a Treat-and-Extend Dosing Regimen: Clinical Validation in Treatment Naïve Neovascular Age-Related Macular Degeneration
- 11.23-11.30 - Bernardes Ioao, Raimundo M., Simão J., Oliveira M., Pires I., Farinha C., Cachulo ML, Marques JP, Figueira J. Silva R.** - 7-year outcomes of anti-vegf treatment in exudative age-related macular degeneration

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11.30-11.37 - Khaled El Matri, Yousra Falfoul, Ahmed Chebil, Zakaria Dekli, Rim Bouraoui, Leila El Matri - OCT Angiography in exudative AMD: Comparison between type 1 and type 2 CNV

11.37-11.45 - Discussion

Macular Degeneration CNV

Chairs: Rufino Silva, Giuseppe Querques

11.45-11.52 - Giuseppe Querques - OCTA in type 3 macular neovascularization

11.52-11.59 - Rufino Silva - Polypoidal choroidal neovascularization in a Caucasian Population

11.59-12.06 - Maria Luz Cachulo - Natural History of Quiescent Choroidal Neovascularization

12.06-12.13 - Joao Pedro Marques - OCT-A metrics can predict early functional improvement in exudative AMD

12.13-12.20 - Discussion

RED Hall

Wide-field imaging

Chairs: Ursula Schmidt Erfurth, Paolo Lanzetta

14.00-14.07 - Julia Hafner - Is the periphery relevant in staging diabetic retinopathy?

14.07-14.14 - Andreas Pollreisz - Wide-field OCT-A imaging

14.14-14.21 - Amani Fawzi - Which parameters are relevant in OCT-A wide-field imaging

14.21-14.28 - Lee Jampol - Does anti-VEGF therapy improve the diabetic retinopathy score

14.28-14.35 - Valentina Sarao, Paolo Lanzetta - How does wide-field imaging work in the clinical practice

14.35-14.42 - Ruikang Wang - Ultrawide OCTA to reach peripheral retina

14.42-14.49 - Srinivas Sadda - Color AF in geographic atrophy – correlations with OCT

14.49-14.56 - Giuseppe Querques - Spectrally Resolved Fundus Autofluorescence in Healthy Eyes: Repeatability and Topographical Analysis of the Green-emitting Fluorophores

14.56-15.03 - Jean Francois Korobelnik - Comparison of wide field OCT-A and wide field color images in the screening of diabetic retinopathy

15.03-15.13 - Discussion

Glaucoma

Chairs: Linda Zangwill, Michel Puech

15.13-15.20 - Yali Jia - Can OCT angiography replace visual field in glaucoma evaluation?"

15.20-15.27 - Richard Rosen Assessing Glaucomatous Damage on Retinal Nerve Fiber Bundles along the Temporal Raphe using OCT-Reflectance and OCT-Angiography"

15.27-15.34 - Tae Woo Kim - Parapapillary retinal and choroidal vascularity in glaucoma

15.34-15.41 - Harsha Rao - Challenges in detecting true change on OCTA: test-retest variability

15.41-15.48 - Linda Zangwill - OCTA in Glaucoma Management: Opportunities and Challenges

15.48-15.55 - Natalia Kurisheva - Does OCTA help in detection of glaucoma progression?

15.55-16.02 - Kyung Rim Sung - Effect of trabeculectomy on peripapillary and macular microcirculation

16.02-16.09 - Michel Puech - Correlation between structure and function with OCTA and electrophysiology

16.09-16.19 - Discussion

Glaucoma/Electrophysiology

Chairs: Benedetto Falsini, Michel Puech, Quan Dong Nguyen

16.19-16.26 - Benedetto Falsini - Glaucoma electrophysiology

16.26-16.33 - Quan Dong Nguyen - Frequency Domain Flicker ERG: New Trends in management of Retinal Diseases

16.33-16.40 - Will Ayliffe - Integrating Objective Functional Assessment in the Everyday Clinical Practice

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16.40-16.47 - Rachid Garout, Fatiha Karaouat - Glaucoma and OCTA: the beginnings of a promising exploration

16.47-16.54 - Discussion

Definition and standardization of qualitative and quantitative OCT-A metrics

Chair: Marion Munk

16.54-17.01 - Dimitra Skondra - Nomenclature and definitions of qualitative OCTA parameters

17.01-17.08 - Stela Vujosevic - Nomenclature and discrepancies of quantitative OCT-A parameters

17.08-17.15 - Nadja Waheed - Consensus on nomenclature in OCTA for research and clinical trails

17.15-17.22 - Grace Richter - Which metrics -and when? Qualitative and quantitative OCTA metrics in glaucoma

17.22-17.29 - Francesco Pichi - Differences and discrepancies of qualitative and quantitative parameters in inflammatory and non-inflammatory retinal vascular diseases

17.29-17.39 - Marion Munk - Challenges of OCTA parameters in clinical trials

17.39-17.50 - Discussion

YELLOW Hall

Artificial Intelligence in OCT and OCTA

Chairs: Yali Jia, Xincheng Yao

14.00-14.07 - Aaron Lee - OCT

14.07-14.14 - Hiroshi Ishikawa - AI in Glaucoma: Clinical Applications

14.14-14.21 - Marinko Sarunic - Deep Learning for OCT Angiography in Diabetic Retinopathy

14.21-14.28 - Xincheng Yao - OCTA Machine learning based OCTA classification of retinopathies

14.28-14.35 - Linda Zangwill - AI in Glaucoma

14.35-14.42 - Yali Jia - Distinguishing capillary dropout from signal reduction artifacts on OCTA

14.42-14.47 - Discussion

Technological Developments by Clinicians and Engineers

Chairs: Wolfgang Drexler, Philip J. Rosenfeld

14.47-14.54 - Optovue - Qienyuan Zhou

14.54-15.01 - Zeiss - Sophie Kubach - Latest advances in high resolution and ultra-wide field OCTA imaging

15.01-15.08 - Nidek

15.08-15.15 - Topcon - Charles Reisman - Advances in OCT and OCT Angiography

15.15-15.22 - Heidelberg Engineering

15.22-15.29 - Optopol - Arkadiusz Chalecki - New standard in OCT.

15.29-15.36 - Moptim - Christos Papanikolaou

15.36-15.43 - Centervue - Giuliano Barbaro - How we are evolving the retinal imaging landscape

15.43-15.50 - Canon - Ori Zahavi

Optic Nerve

Chairs: Richard Rosen, Joanna Golebiewska, Ourida Ouhadj

15.50-15.57 - Richard Rosen - Changes in macular and optic nerve perfusion in migraine imaged by OCTA perfusion density

15.57-16.04 - Joanna Gołębiewska, Agnieszka Oleszczuk, Joanna Brydak-Godowska - Optical coherence tomography angiography of the peripapillary retina and superficial retinal plexus in optic disc drusen

16.04 - 16.11 - Umur Kayabasi - Macular Ganglion Cell Analysis in Neurodegenerative Diseases. SD-OCT and OCT-A. findings in Methanol Optic Neuropathy

16.11 - 16.18 - Rita Gama, Rute Sousa da Costa, Tânia Nom, Catarina Relha, Fábio Nascimento, Sylvia Gaspar, Carina Esteves - Differences of optic discs parameters between children and adults- An optical coherence tomography analysis

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- 16.18-16.25 - Umur Kayabasi** - OCT-A. of peripapillary vessel density and retinal perfusion in compressive lesions of the optic nerves
16.25-16.32 - Etienne Bodart - Clinical study of macular capillary densities in optical neuropathies
16.32-16.39 - Luisa Pierro - Quantitative OCTA in anterior ischemic and non-ischemic optic neuropathies: new diagnostic parameters
16.39-16.46 - Lydia Merabtene, Ourida Ouhadj - OCT in fonctionnal explorations of inflammatory optic neuropathy
16.46-16.56 - Discussion

Other retinal Disorders, oncology

Chair: Leonidas Zografos

- 16.56-17.03 - Leonidas Zografos** - EDI-OCT in ocular oncology
17.03-17.10 - Maria Grazia Sammarco, Andrea Scupola, Monica Maria Pagliara, Maria Antonietta Blasi - Multimodal Imaging of Intraocular Tumors
17.10-17.17 - Ourida Ouhadj, Merriem Benmeriem, Lydia Merabtene, Amine Haddad, Mahfoud Belabelouahab - Conservative Treatment of retinoblastoma in Algeria: a promising start
17.17-17.24 - Gabriela Grimaldi, Ranjan Rajendram, Catherine Egan - Multimodal longitudinal imaging features of a case of bilateral neoplastic serous macular detachment
17.24-17.31 - Marco Pellegrini - EFI-OCTA in radiation retinopathy
17.31-17.38 - Michel Puech - OCT-A and pigmented lesions: choroidal vascularization analysis
17.38-17.45 - Discussion

GREEN Hall

Anterior segment OCT

Chair: Michel Puech

- 14.00-14.07 - Karine Hawa, Neda Abraham, Michel Puech** - Use of OCT Casia 2 for lens equator analysis: a new tool for ELP and IOI calculation
14.07-14.14 - Michel Puech, Karine Hawa, Neda Abraham - Use of OCT Casia 2 for Anterior and posterior lens curvature measurement
14.14-14.21 - Christophe Baudouin, Emmanuelle Brasnu - OCT-A and ocular surface analysis
14.21-14.28 - Neda Abraham, Karine Hawa, Michel Puech - OCT-A of the iris
14.28-14.35 - Chiara Eandi, Leonidas Zografos - Anterior segment OCT-A in iris tumors
14.35-14.42 - Dan Reinstein - Corneal epithelial mapping and keratoconus diagnosis
14.42-14.49 - Adil El Maftouhi - Epithelium mapping and Dry eye
14.49-14.56 - Marie Julie Bovis, Charlotte Sevin, Michel Puech - Anterior segment OCT and anterior iris root insertion in case of narrow angle
14.56-15.00 - Discussion

Imaging 2

Chairs: Ourida Ouhadj, Xavier Zanlonghi, Mojtaba Abrishami, Ioannis P. Theocharis

- 15.00-15.07 - Ioannis P. Theocharis** - A Structural OCT-based unifying concept of the etiology of macula disease
15.07-15.14 - Amira Hamzaoui, Ourida Ouhadj - Discordant OCT results Vs GCC: what to do? Which retain?
15.14-15.21 - Gabriela Grimaldi, Ranjan Rajendram, Angela Rees, Catherine Egan - Retinal findings in patients with sickle cell retinopathy evaluated with colour ultra-wide field retinography and optical coherence tomography angiography
15.21-15.27 - Marine Sourdril, Xavier Zanlonghi, Tanguy Bizeau, Chloé Werner, Anais Werner, Nadja Rousseau - 100 OCT HRA consecutive in children under 5 years old with rare disease
15.27-15.34 - Mojtaba Abrishami - Effects of Fatigue on Image Quality of Optical Coherence Tomography Angiography

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15.34-15.44 - Xincheng Yao, Taeyoon Son, Minhaj Alam, Jennifer I. Lim, and Devrim Toslak - Near infrared OCT oximetry and geometric feature analysis guided artery-vein classification in OCTA

15.44-15.51 - Xincheng Yao, Taeyoon Son, Tae-Hoon Kim - Functional OCT monitoring of retinal neurovascular response and hyaloid vascular regression in wild-type and retinal degeneration mice

15.51-15.58 - Mojtaba Abrishami - Multimodal Imaging in Posterior Microphthalmos

15.58-16.08 - Discussion

Angio-OCT, En Face OCT, and Other Imaging Modalities in Neuro-Ophthalmic Diseases

Chairs: Y. Joyce Liao, Randy Kardon

16.08-16.15 - Steffen Hamann - OCT and OCT-A of optic disc drusen

16.15-16.22 - Joyce Liao - Can we use OCT-A to predict who will develop visual field loss in optic disc drusen?

16.22-16.29 - Eric Gaier - OCT angiography findings in ischemic optic neuropathy

16.29-16.36 - Heather Moss - Retinal imaging markers of multiple sclerosis

16.36-16.43 - Fiona Costello - Clinical application of retinal imaging in multiple sclerosis

16.43-16.50 - Randy Kardon - Regional blood flow to the optic nerve, retina, and choroid in eyes with ischemic optic neuropathy measured by laser speckle flowgraphy

16.50-16.57 - Andrew Lee - OCT/OCT-A in space: what we know about Space Flight-Associated Neuro-Ocular Syndrome (SANS)

16.57-17.04 - Discussion

BLUE Hall

Young Ophthalmologists Retinal Imaging Society (YORIS)

Pupil vs teacher

Chairs: Enrico Borrelli, Daniela Bacherini, Rodolfo Mastropasqua

Assaf Hilely vs David Sarraf - Nonneovascular Exudative AMD (NEAD)

Marco Lupidi vs Cardillo Piccolino - Dye--Angiography vs OCT-Angiography in CSC

Maria Cristina Savastano vs Marco Rispoli - Dark Halo in Neovascularizations

Vittorio Capuano vs Giuseppe Querques - Quiescent CNV: new entity or subclinical type 1 neovascularization?

Daniele Veritti vs Paolo Lanzetta - Should non-exudative CNV be treated when first detected on OCT angiography?

Marco Nassisi vs SriniVas Sadda - Imaging biomarkers in intermediate AMD

Riccardo Sacconi vs Francesco Bandello - Imaging biomarkers in geographic atrophy

Image gallery Joe Carroll, Brandon Lujan