

FRIDAY 15

PLENARY HALL

7.45 – 8.30

OPTOVUE EDUCATIONAL TRAINING COURSE FOR NEW USERS OF OCT ANGIOGRAPHY

Yves Salomon Cohen, Bruno Lumbroso, Marco Rispoli

Bruno Lumbroso - The basis of OCT Angiography interpretation

Marco Rispoli - How to do an OCT Angiography

Yves Salomon Cohen - Frequent diagnosis pitfalls in OCT Angiography

SESSION 1: NEOVASCULAR AMD

*Chairs: Gabriel Coscas, Eric Souied, Yves Salomon Cohen,
Daniel Pauleikhoff, Bruno Lumbroso*

- 8.30 - (7') *Eric Souied* - OCT Angiography made the diagnosis: some peculiar cases when diagnosis was made by OCT Angiography
- 8.37 - (7') *Yves Salomon Cohen* - OCT Angiography and CNV management
- 8.44 - (7') *Gabriel Coscas, Marco Lupidi, Florence Coscas, Alexandre Sellam* - OCT Angiography assessment of changes of CC and choroid changes during development of CNV
- 8.51 - (7') *Daniel Pauleikhoff* - Type 1 and 2 CNV in OCTA: differentiation and treatment response
- 8.58 - (5') Discussion

SESSION 2:

IMAGING PROGRESSION OF EARLY TO ADVANCED AMD

*Chairs: Ursula Schmidt-Erfurt, Philip J. Rosenfeld,
Eric Souied, Francesco Bandello*

- 9.03 - (7') *Ursula Schmidt-Erfurt* - Markers of early AMD progression by advanced image analysis
- 9.10 - (7') *Andreas Pollreisz* - AO-OCT of ageing photoreceptors
- 9.17 - (7') *Sebastian Waldstein* - Characteristics of AMD conversion
- 9.24 - (7') *Bianca Gerendas* - Subretinal fluid has a protective effect on photoreceptor survival
- 9.31 - (7') *Philip J. Rosenfeld* - Detection of nascent geographic atrophy
- 9.38 - (5') Discussion

SESSION 3: NEOVASCULAR AMD, NONEXUDATIVE CNV

*Chairs: Steven T. Bailey, Philip J. Rosenfeld, Ching-Jygh Chen,
José Maria Ruiz-Moreno, Marco Rispoli*

- 9.43 - (7') *Steven T. Bailey* - Early detection of choroidal neovascularization with OCT Angiography
- 9.50 - (7') *Philip J. Rosenfeld* - SS OCT Angiography: prevalence, incidence and natural history of subclinical neovascularization in AMD
- 9.57 - (7') *Ching-Jygh Chen* - Clinical significance of early detection of silent choroidal neovascular membrane in non-exudative ARMD
- 10.04 - (7') *José Maria Ruiz-Moreno, Jorge Ruiz-Medrano, Iñaki Flores, Belen Sirvent* - Non-exudative choroidal neovascularization: characterization by angio-OCT
- 10.11 - (7') *Vittorio Capuano* - Quiescent choroidal neovascularization in geographic atrophy
- 10.18 - (5') Discussion
- 10.23 - (20') Lecture: Guest of Honor *Lawrence Yannuzzi*
The legend of polypoidal choroidal vasculopathy

SESSION 4:**NORMAL AND ABNORMAL RETINAL VASCULARIZATION**

Chairs: Yves Salomon Cohen, Alain Gaudric

- 10.43 - (7') *Sophie Bonnin* - Normal retinal capillary segmentation and density after projection artifact removal
- 10.50 - (7') *Aude Couturier* - Macular capillary density after DME resolution and its relation to VA
- 10.57 - (7') *Amani Fawzi* - Quantitative analysis of the 3 retinal capillary networks in diabetic retinopathy
- 11.04 - (7') *Giuseppe Querques* - PEVAC, a new entity to be known
- 11.11 - (5') Discussion

SESSION 5: BIOMARKERS FOR CNV ACTIVITY

Chairs: David Sarraf, K. Bailey Freund, Francesco Bandello

- 11.16 - (7') *Dafna Goldenberg* - Automated OCT for the diagnosis of

- CNV activity
- 11.23 - (7') **David Sarraf** - Short and long term OCT Angiography biomarkers of Type 1 NV activity
- 11.30 - (7') **K. Bailey Freund** - OCT Angiography biomarkers of Type 3 NV activity
- 11.37 - (7') **Srinivas Sadda** - OCT Angiography quantification of neovascularization in AMD: limitations and remedies
- 11.44 - (7') **Aude Ambresin** - Structural Bscan OCT correlation with OCT Angiography biomarkers of activity in neovascular age related macular degeneration
- 11.51 - (5') Discussion
- 11.56 - (15') **Panel on Biomarkers for CNV Activity**
David Sarraf, Philip J. Rosenfeld, Steven T. Bailey

12.15 – 14.00 LUNCH BREAK

SESSION 6: TECHNOLOGY SESSIONS ON OCT AND OCT ANGIOGRAPHY

Chairs: James Fujimoto, Wolfgang Drexler

- 14.00 - (7') **Yuankai Kenny Tao** - Translational technologies for image-guided interventions in ophthalmology
- 14.07 - (7') **Michael Pircher** - Visualization of micro-capillaries using OCT Angiography with and without adaptive optics
- 14.14 - (7') **Wolfgang Drexler** - Towards OCT on a chip
- 14.21 - (7') **James Fujimoto** - Functional measurements of dark adaptation using ultrahigh SD-OCT
- 14.28 - (7') **Hao Zhang** - Functional imaging using visible OCT
- 14.35 - (7') **Vivek Srinivasan** - OCT and neurovascular imaging in the retina and the (small animal) brain
- 14.42 - (5') Discussion

SESSION 7: TECHNOLOGY SESSIONS ON OCT ANGIOGRAPHY

Chairs: Yali Jia, James Fujimoto

- 14.47 - (7') **Gereon Huttmann** - New techniques for en face OCT
- 14.54 - (7') **Brandon Lujan** - How OCTA acquisition affects OCTA analysis
- 15.01 - (7') **Suqin Yu** - Innovative and quantitative methods in evalua-

ting and comparing five different OCTA systems

- 15.08 - (7') **Amir H. Kashani** - Detection of intraretinal fluid on OCT Angiography: suspended scattering particles in motion (SSPiM)
- 15.15 - (5') Discussion
- 15.20 - (20') **Lecture: Eric Swanson**
Translation of OCT from fundamental research to clinical and commercial impact

**SESSION 8: FUTURE OF TECHNOLOGY BY INDUSTRY
TOP MANAGERS**

Chairs: James Fujimoto, Bruno Lumbroso

- 15.40 - (7') Optovue - **Jay Wei**
- 15.47 - (7') Zeiss - **Angelo Rago**
- 15.54 - (7') Nidek - **Riccardo Ferraris de Gaspare** - Future of Multimodal Wide Field Imaging
- 16.01 - (7') Topcon - **Robert Gibson**
- 16.08 - (7') Heidelberg Engineering - **Kester Nahen**
- 16.15 - (7') Optopol - **Arkadiusz Chalecki**
- 16.22 - (20') **Keynote speaker: Richard Spaide**
Macular telangiectasia

SESSION 9: INNOVATIONS IN OCT ANGIOGRAPHY

Chairs: Yali Jia, Ruikang Wang

- 16.42 - (7') **Yoshiaki Yasuno** - Motion-free Optical Coherence Tomography and Angiography by Lissajous scanning
- 16.49 - (7') **Ruikang Wang** - Projection artifact removal algorithm for accurate assessment of choroidal neovascularization imaged by OCT Angiography
- 16.56 - (7') **Yali Jia** - Three-dimensional projection-resolved OCT Angiography
- 17.03 - (7') **Andreas Maier** - New image processing techniques for OCT and OCT Angiography
- 17.10 - (7') **Sina Farsiu** - Signal processing algorithm for wavefront sensorless adaptive optics OCT Angiography
- 17.17 - (7') **Xincheng Yao** - Automatic classification of OCT Angio-

- graphy images
- 17.24 - (7') **Qienyuan Zhou** - Enhancing research and clinical utility of AngioVue OCTA with 3D-PAR and quantitative analysis
- 17.31 - (5') Discussion

SESSION 10: PCV AND THE PACHYCHOROID SPECTRUM I

Chairs: K. Bailey Freund, Won Ki Lee, Tomohiro Iida

- 17.36 - (7') **Won Ki Lee** - Focal disruptions of the photoreceptor layer in pachychoroid pigment epitheliopathy
- 17.43 - (7') **Tomohiro Iida** - En face OCT in pachychoroid disorders
- 17.50 - (7') **Gemmy Cheung** - Choroidal remodeling in with AMD and PCV during treatment
- 17.57 - (7') **Hideki Koizumi** - Choroidal structural analyses in CSC: new insights into the pathogenesis
- 18.04 - (7') **Jay Chhablani** - Choroidal vascularity indices in PCV
- 18.11 - (5') Discussion
- 18.15 **END OF THE SESSIONS**

HALL C

OFFICIAL LANGUAGE: ENGLISH
(SIMULTANEOUS TRANSLATION IS NOT FORESEEN)

SESSION 11: ANGIO-OCT AND EN FACE OCT IN NEURO-OPHTHALMIC DISEASES

Chairs: Albert Augustin, Richard Rosen, Luciano Cerulli, Carlo Cagini

- 11.00 - (14') **Albert Augustin** - OCT Angiography and en face OCT in neuroophthalmology - an update
- 11.14 - (7') **Richard Rosen** - Optic nerve perfusion mapping of neurological diseases
- 11.21 - (7') **Umur Kayabasi** - OCT Angiography optic nerve fiber layer in neuro-ophthalmology
- 11.28 - (7') **Gilda Cennamo** - Optical Coherence Tomography Angiography retinal vascular network assessment in multiple sclerosis
- 11.35 - (7') **Marco Lupidi, Gabriel Coscas, Felice Cardillo Piccolino, Tito Fiore, Carlo Cagini** - From the eye to the brain:

- quantitative OCT-Angiography in demyelinating diseases
- 11.42 - (7') **Albert Augustin** - OCT Angiography and en face OCT in special diseases
- 11.49 - (5') Discussion

SESSION 12: OCT ANGIOGRAPHY IN PEDIATRIC

Chairs: Joanna Gołębiewska, Ilian Shandurkov, Roy Schwartz, Marcin Stopa

- 11.54 - (7') **Joanna Golebiewska, Karolina Biala-Gosek, Agnieszka Czeszyk-Piotrowicz, Wojciech Hautz** - OCT Angiography vessel density in myopic children
- 12.01 - (7') **Ilian Shandurkov** - Optical Coherence Tomography Angiography in congenital and acquired defects of the retina and optic nerve head
- 12.08 - (7') **Marcin Stopa, Justyna Szczapa, Anna Gotz-Więckowska, Piotr Rakowicz, Marta Pawlak** - Foveal parameters in children with a history of retinopathy of prematurity measured by Optical Coherence Tomography Angiography
- 12.15 - (7') **Agnieszka Rafalska** - Ganglion cell complex and optic nerve head parameters in preterm children at school age compared to children born at term
- 12.22 - (7') **Agnieszka Czeszyk-Piotrowicz, Joanna Golebiewska, Karolina Biala-Gosek, Wojciech Hautz** - The Optical Coherence Tomography Angiography in selected retinal vascular disorders in children
- 12.29 - (7') **Roy Schwartz, Pearse Keane, Chien Wong** - Multimodal imaging including Optical Coherence Tomography Angiography in children with Coats disease
- 12.36 - (5') Discussion

12.45 – 14.00 LUNCH BREAK

SESSION 13: OCT ANGIOGRAPHY OF DRY AMD

Chairs: Giuseppe Querques, Martine Mauget-Fajsse, Leonardo Mastropasqua, Mate Strehö

- 14.00 - (7') **Leonardo Mastropasqua** - OCTA in the intermediate AMD
- 14.07 - (7') **Daniel Pauleikhoff** - Can OCTA help to distinguish between different types of GA?

- 14.14 - (7') **Giuseppe Querques** - New insight into macular fibrosis secondary to neovascular AMD by multimodal imaging
- 14.21 - (7') **Mate Strehö** - Geographic atrophy and OCT Angiography: descriptive study and correlation with OCT en face and auto-fluorescence
- 14.28 - (7') **Giuseppe Casalino, Michael R. Stevenson, Francesco Bandello, Usha Chakravarthy** - Tomographic biomarkers in progression to macular atrophy and fibrosis in age-related macular degeneration
- 14.35 - (7') **Moritz Pettenkofer, Pauline Scherm, Nikolaus Feucht, Chris P. Lohmann, Mathias Maier** - Choroid capillaris flow in OCT-Angiography correlated to age
- 14.42 - (7') **José Maria Ruiz-Moreno, Jorge Ruiz-Medrano, Belen Sirvent** Quantification of atrophic AMD by SS-OCT: new software development
- 14.49 - (5') Discussion

SESSION 14: NEOVASCULARIZATIONS I

Chairs: Rufino Silva, Min Wang, Benjamin Wolff, Quan Dong Nguyen

- 14.54 - (7') **Timur Shaimov** - Diagnostic criteria of polypoidal vasculopathy
- 15.01 - (7') **Min Wang** - OCTA monitoring CNV changes after anti-VEGF treatment on choroidal osteoma
- 15.08 - (7') **Rufino Silva** - OCT Angiography in PCV: a longitudinal study
- 15.15 - (7') **Giuseppe Querques** - Refining type 3 neovascularization by multimodal imaging
- 15.22 - (7') **João Pedro Marques** - OCT Angiography of the fellow eyes in type 3 NV patients
- 15.29 - (7') **Riccardo Sacconi** - OCT Angiography in GA
- 15.36 - (7') **Benjamin Wolff, Flore De Bats, Vivien Vasseur, Anne Sophie Alonso, Stefie Remy, Martine Mauget-Fajsse** - Polypoidal choroidal vasculopathy branching vascular network on OCT Angiography
- 15.43 - (7') **Timur Shaimov** - Diagnostic criteria of polypoidal vasculopathy
- 15.50 - (7') **Alexandra Miere** - Vascular remodeling of choroidal neovascularization after anti-VEGF therapy visualized on

- Optical Coherence Tomography Angiography
- 15.57 - (7') **Maddalena Quaranta El Maftouhi** - Neovascular flow surface and retinal pigment epithelium modifications during Anti-VEGF treatment, using Full OCT-A Imaging. Prognostic functional factors?
- 16.04 - (5') Discussion

SESSION 15: CHOROID AND OCT ANGIOGRAPHY

Chairs: Paolo Lanzetta, Daniele Veritti, Srinivas Sadda

- 16.09 - (7') **Giovanni Staurenghi** - Update on choroidal imaging with OCT Angiography
- 16.16 - (7') **Valentina Sarao, Daniele Veritti** - Choroidal vascular flow and other findings in central serous chorioretinopathy
- 16.23 - (7') **Leonidas Zografos** - Reappraisal and new findings at OCT Angiography of choroidal tumours
- 16.30 - (7') **Francesco Bandello** - Choroid analysis with OCT Angiography in age-related macular degeneration
- 16.37 - (7') **Francesco Pichi** - Application of OCT-A in posterior uveitis
- 16.44 - (7') **Jorge Ruiz-Medrano, Marc Biarnés, José Maria Ruiz-Moreno** Choroidal thickness in healthy eyes using Swept-Source Optical Coherence Tomography: automatic vs. manual measurement
- 16.51 - (5') Discussion

SESSION 16: ONCOLOGY

Chair: Leonidas Zografos

- 16.56 - (12') **LECTURE: Leonidas Zografos - The use of OCT Angiography in every day practice in ocular oncology**
- 17.08 - (7') **Alexandre Matet** - Fractal analysis of OCTA in radiation maculopathy
- 17.15 - (5') Discussion

SESSION 17: OPTIC NERVE AND GLAUCOMA

Chairs: Michel Puech, Natalia Kuryshva, Leopold Schmetterer

- 17.20 - (14') **Michel Puech, Mourtaza Aimadaly** - OCT Angiography and optic nerve head in glaucoma
- 17.34 - (7') **Leopold Schmetterer, Ahmed Bata, Doreen Schmidl, Rene**

- Werkmeister, Klemens Fondi, Gerhard Garhöfer* - Retinal oxygen extraction in glaucoma assessed by Doppler OCT and spectrsocopy
- 17.41 - (7') *Natalia Kuryшева* - OCT Angiography in glaucoma monitoring
- 17.48 - (7') *Richard Rosen* - Standard deviation mapping for glaucoma monitoring
- 17.55 - (7') *Yali Jia* - OCT low perfusion area measurement for glaucoma diagnosis
- 18.02 - (7') *Natalia Kuryшева* - Does OCT Angiography help to understand glaucoma pathogenesis?
- 18.09 - (7') *Svetlana Zhukova, Tatiana Iureva, Anastasiya Grischuk, Irina Pomkina* - Change of chorioretinal blood flow relative to intraocular pressure fluctuations in patients with primary open angle glaucoma and evaluation of hypotensive therapy effectiveness
- 18.16 - (7') *Umur Kayabasi* - OCT Angiography optic nerve fiber layer in glaucoma
- 18.23 - (5') Discussion
- 18.30 **END OF THE SESSIONS**

HALL D

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SESSION 18: NEOVASCULARIZATIONS AMD

- Chairs: Florence Coscas, Marco Rispoli, Zaid Shalchi, Peter G. Heydon, Jakub J. Kaluzny*
- 14.00 - (7') *Jakub J. Kaluzny, Beata Danek, Przemysław Zabel, Jarosław Makowski* - Retinal vasculature in eyes with neovascular AMD
- 14.07 - (7') *Lisette Smid, Koen Vermeer, Valentina Davidoiu, Henk de Jong, Johannes de Boer, Mirjam van Velthoven* - Treatment follow-up of Retinal Angiomatous Proliferation with Optical Coherence Tomography Angiography: preliminary evaluation
- 14.14 - (7') *Diogo Reis Cabral, Florence Coscas, Gabriel Coscas,*

- R. Serra, M. Vila-Franca, Eric Souied* - Active CNV: quantitative criteria in OCTA
- 14.21 - (7') *Florence Coscas, Alexandre Sellam, Marco Lupidi, Gabriel Coscas* - First line imaging of OCT-A during follow up of CNV
- 14.28 - (7') *Sengul Ozdec* - Hemorrhagic response during anti-VEGF treatment of neovascular ARMD: is it non-responder?
- 14.35 - (7') *Peter G. Heydon, Ranjan Rajendram* - Serial OCT-A changes seen after anti-VEGF or treatment of age related macula degeneration associated CNV
- 14.42 - (7') *Simone Donati* - Aflibercept and PCV
- 14.49 - (5') Discussion

SESSION 19: OTHER NEOVASCULARIZATIONS

Chairs: Florence Coscas, Karl Csaky, Irmela Mantel, Yusuf Durlu, Simone Donati

- 14.54 - (7') *Karl Csaky* - ICG and OCT Angiography: comparison and contrast
- 15.01 - (7') *Yusuf Durlu* - Temporal diversity of OCTA in macular diseases causing choroidal neovascularisation following intravitreal anti-VEGF injection
- 15.08 - (7') *Martin Hammer, Lukas Kreilkamp, Lydia Sauer, Regine Augsten, Daniel Meller* - Fundus autofluorescence spectra and lifetimes characteristics of drusen in age-related macular degeneration
- 15.15 - (7') *Marco Lupidi, Gabriel Coscas, Felice Cardillo Piccolino, Carlo Cagini* - Ultra-high resolution cross-sectional OCT-Angiography in neovascular macular diseases
- 15.22 - (7') *Sal Rassam, Kevin Harrison* - OCT Angiography in vitelliform macular dystrophy (Best's disease)
- 15.29 - (7') *Simone Donati, Simona Caprani, Claudio Azzolini* - Angio OCT in hypertension
- 15.36 - (7') *Flore De Bats, Martine Mauget-Faÿsse, Vivien Vasseur, Benjamin Wolff* - Dark and white abnormal signals observed in CSC
- 15.43 - (5') Discussion

SESSION 20: HEREDITARY DISORDERS, GENETICS

Martine Mauget-Faÿsse, Albert Augustin, Omar Trabelsi, Jay Chhablani

15.48 - (7') **Albert Augustin** - The value of OCT Angiography in rare disease

15.55 - (7') **Anne Sophie Alonso, Bernard Puech, Sabine Derrien, Martine Mauget-Faÿsse** - Fovea plana en face and OCT-A analysis

16.02 - (7') **Martine Mauget-Faÿsse, Vivien Vasseur, Romain Dechamps, Catherine Vignal** - OCT Angiography in leber hereditary optic neuropathy

16.09 - (7') **Omar Trabelsi** - A-OCT aspects in retinitis pigmentosa

16.16 - (7') **Jay Chhablani, Abhilash Guduru, Arushi Gupta, Subhadra Jalali** - Choriocapillaris void in retinitis pigmentosa on OCT Angiography

16.23 - (7') **Nicole Balducci** - OCTA in hereditary optic neuropathies

16.30 - (7') **Lisa Toto** - OCT Angiography in cone dystrophy

16.37 - (5') Discussion

16.42 **Symposium on Reading Center** - How do Ophthalmic Reading Centers adapt with the ever-changing landscape of ophthalmic imaging: a panel discussion

Chairs: Quan Dong Nguyen, Brandon Lujan

Panelists: Brandon Lujan, Srinivas Sadda, Jay Duker, Yasir Sepah, Sebastian Wolf

17.45 **END OF THE SESSIONS**

SATURDAY 16

HALL A

7.45 – 8.30

ZEISS ACADEMY COURSE – ANGIOPLEX OCT ANGIOGRAPHY

Philip J. Rosenfeld, Giuseppe Querques, Toshinori Murata

SESSION 21: NORMAL AND ABNORMAL RETINAL VASCULARIZATION

*Chairs: Alain Gaudric, Yves Salomon Cohen, Giuseppe Querques,
Amir H. Kashani, Ugo Menchini*

- 8.30 - (7') **Alain Gaudric** - Macular capillary non perfusion and retinal layers thickness
- 8.37 - (7') **Michael Pircher** - Retinal capillaries viewed by AO OCTA
- 8.44 - (7') **Valérie Krivosic** - Outer intraretinal capillary proliferation in MacTel2 and sub retinal neovascularization on OCTA
- 8.51 - (7') **Bénédicte Dupas** - Correlation between deep capillary plexus density and visual acuity in diabetic retinopathy
- 8.58 - (7') **Audrey Giocanti** - Ethnical differences in normal retina capillary density and foveal avascular zone measurements
- 9.05 - (5') Discussion

SESSION 22: HISTOLOGICAL VALIDATION OF OCT SIGNATURES IN AMD

Chairs: Christine A. Curcio, K. Bailey Freund

- 9.10 - (7') **Chandrakumar Balaratnasingam** - RPE fate during PED growth and collapse
- 9.17 - (7') **Rosa Dolz-Marco** - Evolution of outer retinal tubulation and the border of geographic atrophy
- 9.24 - (7') **Anna Tan** - Refractile drusen
- 9.31 - (7') **K. Bailey Freund** - Plateau (persistent basal laminar deposit after PED)
- 9.38 - (7') **Claudine Pang** - Onion sign in neovascular AMD
- 9.45 - (7') **Christine A. Curcio** - Cavens and lipid globules
- 9.52 - (5') Discussion

SESSION 23: ANATOMY, HISTOLOGY

Chairs: Suqin Yu, Carl Glittenberg, Amir H. Kashani

- 9.57 - (7') *Ravi Jonnal, Iwona Gorczynska, Robert J. Zawadzki, Mehdi Azimipour, Justin Migacz, John S. Werner* - Assessing cellular contributions to the outer retinal bands in OCT using adaptive optics OCT
- 10.04 - (7') *Carl Glittenberg* - Fluid dynamic simulation of choroidal blood flow based on Swept Source OCT choroidal vasculography (CVG)
- 10.11 - (7') *Tianwei Qian, Meng Xiao Li, Yongjing Wan, Suqin Yu, Xun Xu* - Innovative method of synthesis and volume calculation of fluid in retina using OCT images: comprehensive grasp of macular edema
- 10.18 - (5') Discussion

SESSION 24: HISTOLOGY. THE MULLER CELL IN MACULAR DISEASE. AN OCT PERSPECTIVE

Chairs: David Sarraf, Christine A. Curcio

- 10.23 - (7') *Christine A. Curcio* - Morphology and distribution of Müller cells integral to macular disease
- 10.30 - (7') *Andrea Govetto* - Ectopic inner foveal layers. What is the role of the Muller Cell in the development of an ERM
- 10.37 - (7') *Jean Pierre Hubschmann* - Surgical peeling of epiretinal membranes. Mind the Muller Cells
- 10.44 - (7') *David Sarraf* - Macular microcysts: exploring the role of Muller Cell disruption
- 10.51 - (7') *Brandon Lujan* - MacTel - Müller cells and photoreceptor misdirection
- 10.58 - (5') Discussion

SESSION 25: QUANTITATIVE OCT ANGIOGRAPHY ANALYSIS

Chairs: Richard Rosen, Yali Jia, Amir H. Kashani

- 11.03 - (7') *Massimo Nicolò* - Evaluation of sub-RPE neovascuopathy with Swept-Source OCT Angiography
- 11.10 - (7') *Yali Jia* - Automated quantification of nonperfusion areas in 3 vascular plexuses with projection-resolved OCTA in diabetic eyes

- 11.17 - (7') **Richard Rosen** - Deviation mapping of retinal vascular diseases
 11.24 - (7') **Amir H. Kashani** - Quantitative OCTA of the retina in DR: what is the relevant metric?
 11.31 - (5') Discussion

SESSION 26: FACTORS AFFECTING NORMATIVE METRICS IN OCT ANGIOGRAPHY

- Chairs: Joseph Carroll, Richard Spaide, Richard Rosen, Srinivas Sadda**
 11.36 - (7') **Joseph Carroll** - Pigmentation and the foveal avascular zone
 11.43 - (7') **Richard Rosen** - OCTA perfusion changes following intraocular injections
 11.50 - (7') **Malvika Arya, Nadia Waheed** - Comparison of quantitative metrics across commercial OCT Angiography devices
 11.57 - (7') **Srinivas Sadda** - Impact of averaging on OCT Angiography quantitative metrics
 12.04 - (7') **Judy Kim** - Practical considerations in evaluating quantitative metrics from OCT Angiography
 12.11 - (5') Discussion

12.20 am – 1.05 pm

HEIDELBERG EDUCATIONAL COURSE - OCT ANGIOGRAPHY

- Moderator: Giovanni Staurenghi**
Matteo Cereda - Wide field OCT
Federico Corvi - Wide field Angiography
Mariano Cozzi - OCT Angiography
Andrea Giani - Macular pigment
Chiara Preziosa - Multiimaging in uveitis
Giovanni Staurenghi - Multiimaging in AMD

13.05 – 14.00 LUNCH BREAK

SESSION 27: OCT ANGIOGRAPHY IN EVERYDAY APPLICATIONS – ONE YEAR LATER

- Chairs: Philip J. Rosenfeld, Richard Spaide, Karl Csaky, Bruno Lumbroso**
 14.00 - (5') **Paul Tornambe** - OCTA in a clinical practice
 14.05 - (5') **Sylvia Buffet-Nghiem** - OCTA in a private imaging center
 14.10 - (5') **Adil El Maftouhi** - Projection artefact removal: what changes in our clinical practice?

14.15 - (5') Discussion

14.20 - (20') **PANEL: Philip J. Rosenfeld, Richard Spaide, Karl Csaky, Caroline Bauml, Bruno Lumbroso**

DEBATE: Is it possible and advisable to use OCT Angiography in today's patient management

14.40 - (5') **Karl Csaky**: CON

14.45 - (5') **Caroline Bauml**: PRO

SESSION 28: PATHOANATOMICAL MECHANISMS OF DISEASE IN THE INTERMEDIATE AND DEEP RETINAL CAPILLARY PLEXUS

Chairs: David Sarraf, Michel Pâques, Amani Fawzi

14.50 - (7') **Amani Fawzi** - The importance of the intermediate retinal capillary plexus: key pathoanatomical concepts

14.57 - (7') **Alain Gaudric** - Understanding the true anatomy of the retinal capillary plexus using OCT Angiography

15.04 - (7') **David Sarraf** - New concepts in the understanding of venous outflow of the deep retinal capillary plexus

15.11 - (7') **Michel Pâques** - 3D modelization of retinal capillary flow: contribution to the understanding of vascular diseases

15.18 - (5') Discussion

SESSION 29: OCTA OF THE CHORIOCAPILLARIS IN THE NORMAL EYE

Chairs: Philip J. Rosenfeld, Srinivas Sadda

15.23 - (7') **Richard Spaide** - Organization and structure of the choriocapillaris: what does it mean?

15.30 - (7') **Ruikang Wang** - A novel algorithm for the quantitation of the CC with SS-OCT A in normal eyes

15.37 - (7') **Iwona Gorczynska, Justin Migacz, Ravi Jonnal, John S. Werner** - Analysis of choriocapillaris meshwork morphology with OCT Angiography at 1.7 MHz imaging rate

15.44 - (7') **Srinivas Sadda** - Optimizing visualization of the choriocapillaris using OCTA: implications for further study

15.51 - (5') **PANEL DISCUSSION: CURRENT STATUS OF CHORIOCAPILLARIS IMAGING**

SESSION 30: OCTA OF THE CHORIOCAPILLARIS IN MACULAR DISORDERS

Chairs: Srinivas Sadda, Philip J. Rosenfeld, Giovanni Staurenghi

- 15.56 - (7') **Philip J. Rosenfeld** - SS-OCTA quantitation of the choriocapillaris in AMD using a novel algorithm
- 16.03 - (7') **James Fujimoto** - Choriocapillaris flow impairment in AMD
- 16.10 - (7') **Enrico Borrelli** - Choriocapillaris in intermediate AMD
- 16.17 - (7') **Giuseppe Querques** - Evaluating the choriocapillaris in geographic atrophy
- 16.24 - (7') **Philip J. Rosenfeld** - OCTA in intermediate AMD
- 16.31 - (7') **Amani Fawzi** - Choriocapillaris in reticular pseudodrusen
- 16.38 - (7') **Mayss Al-Sheikh** - OCTA imaging of the choriocapillaris in myopia
- 16.45 - (7') **David Sarraf** - OCTA imaging of the choriocapillaris in placoid disorders
- 16.52 - (7') **Giovanni Staurenghi** - Choriocapillaris in macular dystrophies
- 16.59 - (7') **Kathryn Pepple** - OCTA imaging in uveitis
- 17.06 - (5') **PANEL DISCUSSION: CURRENT STATUS OF CHORIOCAPILLARIS IMAGING IN DISEASE**

SESSION 31: PACHYCHOROID SPECTRUM II CSC

Chairs: K. Bailey Freund, Francine Behar Cohen, Alexandre Matet, Felice Cardillo Piccolino

- 17.11 - (7') **Daphna Goldenberg** - OCT Angiography in CSR diagnosis and management
- 17.18 - (7') **Francine Behar Cohen, Richard Spaide, Alexandre Matet** - Co-occurrence of Mactel and CSCR
- 17.25 - (7') **Enrico Peiretti** - OCT Angiography characteristics in patients with chronic CSCR complicated with polypoidal choroidal vasculopathy
- 17.32 - (7') **Felice Cardillo Piccolino, Marco Lupidi** - Chorioretinal hemodynamics in central serous chorioretinopathy
- 17.39 - (5') Discussion
- 17.45 **END OF THE SESSIONS**

HALL B

SESSION 32: DIABETIC RETINOPATHY I

Chairs: José Cunha-Vaz, Caroline Baumal, Ramin Tadayoni, Sandeep Saxena

- 8.30 - (7') **Benedicte Dupas** - Reduced macular flow density in young type 1 diabetic patients
- 8.37 - (7') **Ramin Tadayoni** - Macular retinal layers thickness and capillary density after diabetic macular edema. Correlation with visual acuity
- 8.44 - (7') **Caroline Baumal** - Correlation of peripheral ischemia to FAZ in diabetic retinopathy
- 8.51 - (7') **Eirini Stranga, Alexander Charonis** - Qualitative and quantitative comparison of the foveal avascular zone and the number/distribution of microaneurysms in patients with diabetic macular edema applying conventional fluorescein Angiography and OCT Angiography: correlation with visual acuity
- 8.58 - (7') **Stela Vujosevic** - Early microvascular and neural changes in patients with Type 1 and Type 2 Diabetes Mellitus and no clinical signs of diabetic retinopathy
- 9.05 - (5') Discussion

SESSION 33: DIABETIC RETINOPATHY II

Chairs: José Cunha-Vaz, Francesco Bandello, André Romano, Carol Cheung, Leila El Matri

- 9.10 - (7') **Francesco Bandello** - DR OCT Angiography comparison with FA
- 9.17 - (7') **Mary Durbin** - Measuring OCT Angiography – Capillary dropout (closure)
- 9.24 - (7') **José Cunha-Vaz** - Measuring OCT Angiography retinal fluid and leakage
- 9.31 - (7') **João Pedro Marques** - Results of Longitudinal Study of DR
- 9.38 - (7') **Ana Rita Santos** - Predicting BCVA response to DME treatment
- 9.45 - (5') Discussion

SESSION 34: DIABETIC RETINOPATHY III

*Chairs: José Cunha-Vaz, Sandeep Saxena, Amir H. Kashani,
André Romano, Leila El Matri*

- 9.50 - (7') **Sandeep Saxena** - EZ disruption in diabetic retinopathy - a grading system
- 9.57 - (7') **André Romano** - Choroidal flow reduction in diabetic macular edema detected by OCT Angiography
- 10.04 - (7') **Carol Cheung** - The relationship between quantitative retinal capillary network changes and renal dysfunction in Type 2 diabetes mellitus
- 10.11 - (7') **Leila El Matri, Yosra Falfoul, Khaled El Matri, Asma Hassairi El Matri, Ahmed Chebil** - SS OCT Angiography versus Wide Field Angiography in diabetic patients
- 10.18 - (7') **Sanja Sefić Kasumović, Aida Kasumović** - OCT Angiography contribution in classification of non-proliferative diabetic retinopathy
- 10.25 - (5') Discussion

SESSION 35: ADAPTIVE OPTICS

Chairs: Michel Pâques, Wolfgang Drexler

- 10.30 - (7') **Michel Pâques** - Multimodal Adaptive Optics
- 10.37 - (7') **Lee Merill Jampol** - Adaptive Optics evaluation of multiple evanescent white dot syndrome
- 10.44 - (7') **Sarah Tick, Michel Pâques** - Vascular remodelling after proton beam therapy observed by Adaptive Optics and OCT Angiography
- 10.51 - (7') **Rishard Rami Weitz** - New clinical insights from Adaptive Optics
- 10.58 - (5') Discussion

SESSION 36: TECHNOLOGICAL DEVELOPMENTS
BY CLINICIANS AND ENGINEERS

Chairs: James Fujimoto, Wolfgang Drexler, Philip J. Rosenfeld

- 11.03 - (10') Optovue - **Qienyuan Zhou**
- 11.13 - (10') Zeiss - **Kevin Langton**
- 11.23 - (10') Nidek - **Riccardo Ferraris de Gaspare** - Next Phase of Nidek OCT
- 11.33 - (10') Topcon - **Charles Reisman**

- 11.43 - (10') Heidelberg Engineering - *Jan Dechent*
- 11.53 - (10') Canon - *Ori Zahavi*
- 12.03 - (10') Optopol - *Arkadiusz Chalecki*
- 12.13 - (5') Discussion

12.20 – 13.05 LUNCH SYMPOSIUM

(Lunch boxes available for the first 250 attendees)

OPTOVUE EDUCATIONAL ADVANCED COURSE OCT ANGIOGRAPHY

Moderator: Bruno Lumbroso

- 12.20 - 12.25 Introduction by moderator
- 12.25 - 12.35 *Alain Gaudric* - OCTA in DR: what to expect with the new 3D projection artifact removal (PAR) Tool?
- 12.35 - 12.45 *Marco Rispoli* - OCTA in challenging cases: the role of 3D manual editing and segmentation propagation
- 12.45 - 12.55 *Richard Rosen* - The importance of vessel density quantitative analysis in optic nerve disorders
- 12.55 - 13.05 Q&A. Conclusion by moderator

13.05 - 14.00 LUNCH BREAK

SESSION 37: DIABETIC RETINOPATHY, DME TREATMENT

Chairs: Quan Dong Nguyen, Francesco Boscia, Monica Varano, Tommaso Micelli Ferrari

- 14.00 - (7') *Patricia Udaondo* - Early findings in Type 2 diabete. Is there a correlation with microperimetry?
- 14.14 - (7') *Sandro Saviano* - Aflibercept, DME and DR
- 14.21 - (7') *Akihiro Ishibazawa, Tomoko Mase, Young-Seok Song, and Akitoshi Yoshida* - Evaluation of microaneurysms in diabetic retinopathy using different types of Optical Coherence Tomography Angiography
- 14.28 - (7') *Tommaso Micelli Ferrari, Eleni Nikolopoulou* - Capillary density changes in diabetic macular edema and its association with steroid treatment response
- 14.35 - (7') *Felix Hagenau, Denise Vogt, Stefanie Guenther, Armin Wolf, Siegfried Priglinger, Ricarda G. Schumann* - Correlation of SD-OCT criteria with histopathologic characteristics of the vitreomacular interface in eyes with diabetic macular edema

- 14.42 - (7') **Nicola Ghazi** - OCTA of the Iris and diabetic retinopathy
 14.49 - (5') Discussion

SESSION 38: DIABETIC RETINOPATHY

Chairs: Quan Dong Nguyen, Rufino Silva, Aldo Caporossi

- 14.54 - (7') **Tiago M. Rodrigues, João P. Marques Mário Soares, João Figueira, Joaquim N. Murta, Rufino Silva** - Peripapillary neuro-vascular coupling in early diabetic retinopathy
 15.01 - (7') **Mariacristina Parravano, Daniele De Geronimo, Fabio Scarinci, Lea Querques, Monica Varano, Francesco Bandello, Giuseppe Querques** - Microvascular changes in diabetic retinopathy evaluated with OCTA OVER TIME
 15.08 - (7') **Fabio Scarinci, Mariacristina Parravano** - Functional and anatomical evaluation of photoreceptors in diabetic macular ischemia
 15.15 - (7') **David Gildea** - The diagnostic value of Optical Coherence Tomography Angiography in diabetic retinopathy - A systematic review
 15.22 - (5') Discussion
 15.27 - (15') **Master Lecture: Leonardo Mastropasqua**
 New developments in ophthalmology. Robots, high data etc.

SESSION 39: MACULAR EDEMA TREATMENT

Chairs: Francesco Bandello, Valentina Sarao, Fahd Quhill

- 15.42 - (7') **Francesco Bandello** - Diabetic macular edema
 15.49 - (7') **Fahd Quhill** - The use of fluocinolone implant in the treatment of macular edema
 15.56 - (7') **Valentina Sarao** - Dexamethasone implant for treatment of macular edema in retinitis pigmentosa
 16.03 - (5') Discussion

SESSION 40: DIABETIC EDEMA TREATMENT

Chairs: Mariacristina Parravano, Giuseppe Querques, Lisa Toto

- 16.08 - (7') **Matteo Badino** - Tcombined treatment (MIVS 25GA) and dexamethasone implant for chronic refractory
 16.15 - (7') **Lisa Toto** - Dex implant in naïve patients: focus on anatomical and functional changes

- 16.22 - (7') **Valentina Sarao** - Early effect of Dex implant
- 16.29 - (7') **Michele Reibaldi** - Dexamethasone implant and cataract surgery in DME patients
- 16.36 - (7') **Mariacristina Parravano** - Ischemic index changes in diabetic retinopathy after intravitreal dexamethasone implant using ultra wide-field fluorescein Angiography: a pilot study
- 16.43 - (7') **Giuseppe Querques** - Early response to ranibizumab predictive of functional outcome after dexamethasone for unresponsive diabetic macular oedema
- 16.50 - (7') **Fabio Scarinci, Mariacristina Parravano** - Ultra-widefield fluorescein angiography in diabetic retinopathy
- 16.57 - (7') **Angelo Minnella** - Sustained release intravitreal dexamethasone implant in the treatment of proliferative diabetic retinopathy and diabetic macular edema
- 17.04 - (5') Discussion

SESSIONE 41: IMAGING, DIAGNOSIS, EVOLUTION OF DME

Chairs: Mariacristina Parravano, Francesco Boscia, Lea Querques

- 17.09 - (7') **Francesco Viola** - The importance of early treatment for better outcome
- 17.16 - (7') **Maria Luisa Carrella** - CV risk in diabetic patients
- 17.23 - (7') **Francesco Boscia** - Long term efficacy
- 17.30 - (7') **Mariacristina Parravano, Lea Querques, Monica Varano, Francesco Bandello, Giuseppe Querques** - Microvascular changes in retinal vein occlusion after treatment evaluated with OCTA
- 17.37 - (5') Discussion
- 17.45 **END OF THE SESSIONS**

HALL C

OFFICIAL LANGUAGE: ENGLISH
(SIMULTANEOUS TRANSLATION IS NOT FORESEEN)

SESSION 42: ANGIOGRAPHY OF OCULAR INFLAMMATION

*Chairs: Quan Dong Nguyen, Vishali Gupta, Marion Munk,
Moncef Khairallah, Ourida Ouhadj*

- 8.30 - (7') **Vishali Gupta** - OCT Angiography in HIV microangiopathy
- 8.37 - (7') **Marion Munk** - Evaluation of vascular changes in intermediate uveitis and vasculitis using OCT Angiography
- 8.44 - (7') **Sylvia Buffet-Nghiem** - OCTA in perifoveal exudative vascular anomalous complex (PEVAC)
- 9.01 - (7') **Ourida Ouhadj, Anis Kaci** - White dots and leptospirosis
- 9.08 - (7') **Moncef Khairallah, Sana Khochtali** - Swept-source OCTA and occlusive retinal vasculitis
- 9.15 - (5') Discussion

SESSION 43: MACTEL TYPE 2 AND OTHER CNV

*Chairs: Benjamin Wolff, Thomas Theelen, Luca Di Antonio,
Sylvia Buffet-Nghiem*

- 9.20 - (7') **Thomas Theelen, Anita de Breuk, Vivian Schreur, Michel M. Teussink, Carel B. Hoyng** - Perimacular capillary changes in patients with macular telangiectasia type 2 in Optical Coherence Tomography Angiography
- 9.27 - (7') **Benjamin Wolff** - OCT Angiography differences between polyps vascular network and new vessels (type 1)
- 9.34 - (7') **Zaid Shalchi, Robin Ollivier, Ranjan Rajendram** - Optical Coherence Tomography Angiography findings in choroidal neovascularisation secondary to focal choroidal excavation
- 9.41 - (5') Discussion

SESSION 44: OCT ANGIOGRAPHY AND SURGERY I

*Chairs: Stanislao Rizzo, Constantin Pournaras, François Devin,
Ciro Tamburrelli, Caroline Bauma*

- 9.46 - (7') **Constantin Pournaras** - Surgical macular pathologies: correlation of intraretinal cystic changes and capillary ischaemia

- 9.53 - (7') **François Devin** - Intra operative OCT gadget or advances?
- 10.00 - (7') **Stanislao Rizzo** - The usefulness of intraoperative OCT imaging in vitreoretinal surgery
- 10.07 - (7') **Alexandre Denoyer** - OCT and anterior segment ocular surgery
- 10.14 - (7') **Constantin Pournaras** - OCT Angiography features of the dissociated optic nerve fiber layer, a complication of macular surgery
- 10.21 - (7') **Amir H. Kashani** - Morphologic changes in the outer retina of human subject after acute, transient retinal detachment
- 10.28 - (7') **Claire Scemama, Timsit, Yannick Le Mer, Vivien Vasseur, Elise Boulanger Scemama, Benjamin Wolff, Martine Mauget-Faysse** - OCT Angiography in retinal surgery follow up
- 10.35 - (5') Discussion

SESSION 45: OCT ANGIOGRAPHY AND SURGERY II

Chairs: Stanislao Rizzo, Claudio Azzolini, Tommaso Rossi, Claire Scemama

- 10.40 - (7') **Tommaso Rossi** - OCT of the bursa premacularis: what is it for?
- 10.47 - (7') **Claudio Azzolini, Simone Donati, Simona Caprani** - Retinal alteration and functional implications in interface surgery
- 10.54 - (7') **Antonio Ciardella** - OCTA in regmatogenous retinal detachment
- 11.01 - (7') **Vishali Gupta** - Macular capillary density following retinal detachment surgery.
- 11.08 - (7') **Natalia A. Skvortsova, Natalia V. Savostianova, Irina G. Bashilova, Georgiy E. Stolyarenko** - Comparison of foveal avascular zone size and foveal vessel density in patients underwent vitrectomy and healthy controls
- 11.15 - (7') **Min Kim** - Retinal layer segmentation after silicone oil or gas tamponade for macula-on retinal detachment using Optical Coherence Tomography
- 11.22 - (5') Discussion

SESSION 46: OCT ANGIOGRAPHY AND SURGERY III; MACULAR HOLES

Chairs: Stanislao Rizzo, Denise Vogt, Felix Hagenau, Luisa Pierro, Katarzyna Michalska-Malecka

- 11.27 - (7') **Alfonso Savastano** - Vascular features of full-thickness

- macular hole by OCT Angiography
- 11.34 - (7') **Luisa Pierro** - Degenerative lamellar macular hole: OCTA study
- 11.41 - (7') **Simona Caprani, Simone Donati, Claudio Azzolini** - Retinal elasticity in macular hole surgery
- 11.48 - (7') **Katarzyna Michalska-Malecka, Anna Heinke Knudsen, Justyna Sierocka-Stępień, Tomasz Wilczyński, Agata Niedzielska-Krycia** - Preoperative and postoperative features of idiopathic full-thickness macular hole on Optical Coherence Tomography Angiography
- 11.55 - (7') **Denise Vogt, Felix Hagenau, Armin Wolf, Wolfgang J. Mayer, Siegfried Priglinger, Ricarda G. Schumann** - Analysis of intraretinal circulation by OCT Angiography in eyes with macular pucker before and after surgery
- 12.02 - (7') **Ricarda G. Schumann, Denise Vogt, Felix Hagenau, Jakob Siedlecki, Siegfried Priglinger** - Improving the lamellar macular hole classification system
- 12.09 - (5') Discussion

12.15 – 13.00 LUNCH SYMPOSIUM

(Lunch boxes available for the first 250 attendees)

TOPCON EDUCATIONAL TRAINING COURSE SWEPT SOURCE OCT-ANGIOGRAPHY ADVANCED COURSE

Moderator: **Carl Glittenberg**

Lecturers: **Srinivas Sadda, Gemmy Cheung**

12.50 – 14.00 LUNCH BREAK

SESSION 47: IMAGING TECHNIQUES

Chairs: Francine Behar Cohen, Marco Rispoli, Peter Maloca, Yuichiro Ogura

- 14.00 - (7') **Christophe Moser** - Quantitative phase imaging of retinal cells: basic principles
- 14.07 - (7') **Francine Behar-Cohen** - Correlation phase Imaging/histology: what can we see?
- 14.14 - (7') **Marion Munk** - The impact of image contrast and color setting in the reliability and accuracy of choroidal thickness measurements
- 14.21 - (7') **Yuichiro Ogura** - Prospective multicenter study to compare

OCT Angiography and dye-based angiography in retinochoroidal diseases

- 14.28 - (7') **Bartosz L. Sikorski** - Interesting uses of new generation of OCT device
- 14.35 - (7') **Peter Maloca, Pascal Hasler, Catherine Egan, J. Emanuel Ramos de Carvalho, Adnan Tufail** - 3D OCT pupillometry
- 14.42 - (7') **Masahiro Akiba** - Recent advancement of Swept source OCT
- 14.49 - (5') Discussion

SESSION 48: IMAGING TECHNIQUES

Chair: Marion Munk

- 14.54 - (7') **Rainer Leitgeb** - Advancing Optical Coherence Tomography Angiography
- 15.01 - (7') **Raphael Sznitman** - A deep learning approach to automatic identification of biomarkers in OCT images
- 15.08 - (7') **Sina Farsiu** - Retinal layer-specific OCT noise modelling, denoising, and impact on segmentation accuracy
- 15.15 - (7') **Carlos Ciller** - Unleashing the potential of longitudinal image analysis in Optical Coherence Tomography
- 15.22 - (7') **Delia De Buc** - The advantages of using image processing to identify multimodal retinal biomarkers in cerebrovascular and neurodegenerative diseases
- 15.29 - (7') **Ron Soferman** - From digital age to AI age in ophthalmic imaging
- 15.36 - (5') Discussion

SESSION 49: THE ROLE OF ADVANCED OCULAR IMAGING IN PREDICTING THE CLINICAL COURSE IN DIABETIC EYE DISEASES, RETINOPATHY OF PREMATURITY, AND CENTRAL SEROUS RETINOPATHY

Chairs: Quan Dong Nguyen, Yves Salomon Cohen

- 15.41 - (10') **Y. Joyce Liao** - Key OCT and OCTA findings in diabetic ischemic optic neuropathy
- 15.51 - (10') **Yasir J. Sepah** - Retinal layer thickness changes along a spectrum of diabetic eye disease
- 16.01 - (10') **Theodore Leng** - Use of automatic montaging in OCT Angiography imaging of diabetic retinopathy

- 16.11 - (10') **Darius Moshfeghi** - Novel wide-angle contact combination OCT and camera system for neonatal screening and evaluation of retinal diseases
- 16.21 - (10') **Wei-Chi Wu** - OCT characteristics in eyes of children with a history of retinopathy of prematurity
- 16.31 - (10') **Ruwan Amila Silva** - New insights to central serous chorioretinopathy by OCT Angiography
- 16.41 - (15') Discussion
- 17.00 **END OF THE SESSIONS**

HALL D

OFFICIAL LANGUAGE: ENGLISH
(SIMULTANEOUS TRANSLATION IS NOT FORESEEN)

RAPID FIRE SESSION

Chairs: Anita Leys, Gabriele Thumann, Martine Mauget-Fajÿsse

- 8.30 - (3 + 2) **Roland Marduel** - Acute macular neuroretinopathy in OCT Angiography
- 8.35 - (3 + 2) **Alain Serru** - OCT Angiography features in one unilateral case of Behcet
- 8.40 - (3 + 2) **Yosra Falfoul, Khaled El Matri, Asma Hassairi El Matri, Ahmed Chebil, Leila El Matri** - Correlation between visual acuity and OCT Angiography vascular density in retinitis pigmentosa
- 8.45 - (3 + 2) **Hassairi El Matri Asma, Yosra Falfoul, Khaled El Matri, Ahmed Chebil, Leila El Matri** - OCT Angiography features of CNV associated with retinal dystrophies
- 8.50 - (3 + 2) **Jean Franois Le Rouic, Pascal Peronnet** - Torpedo maculopathy associated with choroidal neovascularization
- 8.55 - (3 + 2) **Claudio Furino, Luca Di Antonio, Marco Rispoli, Maria Oliva Grassi, Giovanni Alessio** - OCTA in CNV secondary to choroid osteoma
- 9.00 - (3 + 2) **Ana Basilio** - OCTA in CSC and CNV
- 9.05 - (3 + 2) **Claudio Furino, Zaid Shalchi, Maria Oliva Grassi, Alfredo Niro, Giovanni Alessio** - OCTA in AMPPE
- 9.10 - (3 + 2) **Emanuela Interlandi** - OCT Angiography in ocular

toxoplasmosis: a new modality of follow-up

- 9.15 - (3 + 2) **Emanuela Interlandi** - OCTA of Vogt Koyanagi Haradas
- 9.20 - (3 + 2) **Ana Basilio** - OCTA in myopic CNV
- 9.25 - (3 + 2) **Cem Küçükerdönmez** - OCT Angiography in Mactel
- 9.30 - (3 + 2) **Ana Pajtler Rosar** - Multimodal Imaging in a case of unilateral acute idiopathic maculopathy complicated by choroidal neovascularization
- 9.35 - (3 + 2) **Khaled El Matri, Yousra Falfoul, Asma Hassairi, Ahmed Chebil, Leila El Matri** - OCT-A in non complicated angiod streaks
- 9.40 - (3 + 2) **Ahmed Chebil, Asma Hassairi, Yousra Falfoul, Khaled El Matri, Leila El Matri** - OCT-A in hereditary optic neuropathy
- 9.45 - (3 + 2) **Fatiha Karaouat, Mohamed Ferrah, Rachid Garout** - Difficult case: " Never ending story"
- 9.50 - (3 + 2) **Moncef Khairallah, Hamza Chakroun, Imen Ksaa** - Swept-source OCTA in a patient with unilateral acute idiopathic maculopathy
- 9.55 - (3 + 2) **Moncef Khairallah, Sourour Zina, Nesrine Abroug** - Multi-modal imaging including swept-source OCTA in a patient with atypical MEWDS associated with latent tuberculosis
- 10.00 (3 + 2) **Dina Baddar** -Two eyes, one tool: En Face OCT does it better
- 10.05 (3 + 2) **Karine Hawa, Neda Abraham** - Crystallin lens analysis with Swept source OCT Casia-2

SESSION 50: HIGH MYOPIA, STAPHYLOMA

Chairs: Emilio Balestrazzi, Giuseppe Querques, Suzanne Yser

- 10.10 - (7') **Gianluigi Manzi** - OCT Angiography in Myopic CNV
- 10.17 - (7') **Suzanne Yzer, Thomas Theelen, José Pedro Martinez** - Optical Coherence Tomography Angiography in staphyloma induced serous maculopathy
- 10.24 - (7') **Pauline Scherm** - Choriocapillary blood flow in myopic patients measured with OCT Angiography
- 10.33 - (7') **José Maria Ruiz-Moreno, Jorge Ruiz-Medrano, Luis Arias** - Study of activity of myopic choroidal neovascularization by Angio-OCT
- 10.40 - (7') **Luca Di Antonio** - OCTA assessment of vascular changes after Aflibercept injection in treatment-naive myopic CNV
- 10.47 - (5') Discussion

SESSION 51: WIDE FIELD IMAGING IN DIABETIC AND OTHER VASCULAR DISEASES

Chairs: Paolo Lanzetta, Francesco Pichi, Ruikang Wang

- 10.52 - (7') *Srinivas Sadda* - Strategies to WF: montage vs scanning, pros and cons
- 10.59 - (7') *Yasin Alibhai, Nadia Waheed* - Display and quantification on wide field OCT Angiography
- 11.06 - (7') *Ruikang Wang* - Wide field OCT Angiography in diabetic retinopathy
- 11.13 - (7') *Paolo Lanzetta* - Wide field OCT Angiography in retinal vascular disease
- 11.20 - (7') *Francesco Pichi* - Ultra-widefield imaging in other vascular diseases
- 11.27 - (7') *Rodrigo Abreu Gonzalez* - Wide Field OCT Angiography and its clinical benefits
- 11.34 - (5') Discussion

SESSION 52: THE MOVING MACULA. PERSPECTIVES ON IMAGING AND BIOMECHANICAL CONSEQUENCES

Chair: Ioannis P. Theocharis

- 11.39 - (7') *Nikos Lagaros* - Engineering interpretation of the macular region. A mechanics point of view on OCT data
- 11.46 - (7') *Adrian Podoleanu* - Direct simultaneous en face imaging display at any multiple depths for real time assessment of ocular deformations
- 11.53 - (7') *Thomas Maris* - MRI based study of ocular shell during ocular movements versus OCT Tomography. Pros and Cons
- 12.00 - (7') *Massimo Fazio* - Influence of mechanical deformations on ONH perfusion
- 12.07 - (7') *Ioannis Theocharis* - A clinician's review of multimodal ss-OCT and SS-OCT Angiography signs under the perspective of ocular motility
- 12.14 - (5') Discussion

SESSION 53: PRACTICAL TECHNOLOGY

Chairs: Fabrizio Camesasca, Marco Rispoli

- 12.19 - (7') *Fabrizio Camesasca* - Angio-OCT: how to begin?

- 12.26 - (7') *Mojtaba Abrishami, Houshang Faghihi, Poursan Fadakar, Masoud Mirghorbani, Ahmad Masoumi* - Effects of topical anesthesia on image quality of Optical Coherence Tomography Angiography: a contralateral eye study
- 12.33 - (5') Discussion

SESSION 54: BLOOD FLOW AND HISTO PATHOLOGY

Chairs: Umur Kayabasi, Maria Cristina Savastano

- 12.38 - (7') *Aleksandra Dudek, Aleksandra Dobrowolska, Joanna Przędziecka-Dołyk* - Diurnal variation of macular and submacular blood flow parameters obtained with AngioVue Imaging System
- 12.45 - (7') *David Cordeiro Sousa* - Hypoxia challenge test and retinal circulation changes - a study using Ocular Coherence Tomography Angiography
- 12.52 - (7') *Kotaro Tsuboi* - Gap in capillary perfusion on Optical Coherence Tomography Angiography associated with persistent macular edema in branch retinal vein occlusion
- 12.59 - (7') *Umur Kayabasi* - Detection by the asymmetry between the superior and inferior ganglion cell layer thickness on SD-OCT
- 13.06 - (5') Discussion

13.15 – 14.00 LUNCH BREAK

SESSION 55: CONGENITAL, HEREDITARY DISEASES

Chairs: Ourida Ouhadj, Jay Chhablani, Daniela Bacherini, Xavier Zanlonghi

- 14.00 - (7') *Ourida Ouhadj, Anis Kaci* - Sorsby macular dystrophy
- 14.07 - (7') *Claudio Iovino, Giulia Caminiti, Enrico Peiretti* - OCT Angiography findings in patients with autosomal dominant Drusen
- 14.14 - (7') *Daniela Bacherini, Stanislao Rizzo, Andrea Sodi, Gianni Virgili* - OCT Angiography and microperimetry integrated evaluation in Stargardt Disease
- 14.21 - (7') *Jay Chhablani, Abhilash Guduru, Marco Lupidi, Arushi Gupta, Subhadra Jalali* - Comparative analysis of autofluorescence and OCT Angiography in Stargardt Disease
- 14.28 - (7') *Jay Chhablani, Abhilash Guduru, Arushi Gupta, Mudit*

- Tyagi, Subhadra Jalali* - Qualitative and quantitative Optical Coherence Tomography Angiography characterization of best disease and associated choroidal neovascularization
- 14.35 - (7') *Mojtaba Abrishami, Ahmad Mirshahi, Ahmad Masoumi* Best vitelliform macular dystrophy on Optical Coherence Tomography Angiography: a case series
- 14.42 - (7') *Xavier Zanlonghi, Léa Gerard, Nadja Rousseau, Chloé Werner, Clémence Bouaud, Tanguy Bizeau* - Choroideremia imaging by swept-source OCT
- 14.49 - (5') Discussion

SESSION 56: UVEITIS INFLAMMATION

Chairs: Vishali Gupta, Moncef Khairallah

- 14.54 - (7') *Nina Lutsenko, Olga Rudycheva, Oxana Isakova, Nataliya Unguryan, Hanna Yatsun* - The application of OCT Angiography in vasculitis diagnostics
- 15.01 - (7') *Mehmet Numan Alp, Emine Yıldız Özdemir* - The application of Optical Coherence Tomography Angiography in Behçet disease with and without uveitis
- 15.08 - (7') *Rajesh Ramanjulu* - Retinopathy post pyrexial
- 15.15 - (7') *Vishali Gupta* - OCT Angiography in choriocapillary diseases
- 15.22 - (5') Discussion

SESSION 57: AMD. NEOVASCULARIZATION AND OTHER DISEASES

Chairs: Luca di Antonio, Marco Lupidi, Rajesh Ramanjulu, Kotaro Tsuboi, Yusuf Durlu

- 15.27 - (7') *Sofia Sousa Mano, Sara Vaz-Pereira, Joaquim Prates Canelas* Multimodal imaging in hereditary hemorrhagic telangiectasia (Rendu-Osler-Weber disease)
- 15.34 - (7') *Luca Di Antonio* - OCTA in MacTel type 2
- 15.41 - (7') *Jakob Siedlecki* - Simultaneous presentation of Idiopathic luxtafoveolar macular Telangiectasia Type 1 and lamellar macular hole with associated epiretinal proliferation
- 15.48 - (7') *Mojtaba Abrishami, Ahmad Mirshahi, Masoud Mirghorbani* OCT Angiography of macular Telangiectasia Type 2
- 15.55 - (7') *Lia Giustolisi* - Multimodal images of polypoidal choroidal vasculopathy

- 16.02 - (7') **Rajesh Ramanjulu** - OCTA features of retinal capillary hemangioblastoma (RCH) and choroidal hemangioma
- 16.09 - (7') **Alexandre Sellam, Florence Coscas, Agnes Glacet Bernard, Daniel Seknoazi, Gabriel Coscas, Eric Souied** - OCTA A assessment VRO update on evolution diagnosis and prognosis value
- 16.16 - (7') **Rajesh Ramanjulu, Mahesh P. Shanmugam, Divyansh Mishra, Pradeep Sagar, Vinay** - Vascular changes in juxta-pillary choroidal melanoma after brachy therapy
- 16.23 - (5') Discussion

SESSION 58: ANTERIOR SEGMENT

Chair: Paolo Vinciguerra

- 16.28 - (7') **Antonio Calossi** - Available technology and their difference
- 16.35 - (7') **Paolo Vinciguerra** - The available informations and maps in corneal OCT
- 16.42 - (7') **Paolo Vinciguerra** - Surface ablation for refractive defects and therapeutics purposes
- 16.49 - (7') **Mario Nubile** - Corneal pathologies and OCT M
- 16.56 - (7') **Leonardo Mastropasqua** - Corneal intrastomal surgery and OCT L
- 17.03 - (7') **Marcin Stopa, Magda Kozłowska** - Evaluation of superficial and deep vasculature in patients with corneal neovascularization using Optical Coherence Tomography Angiography
- 17.10 - (7') **Serena Telani** - OCT Visante differences between corneal section optained with femtosecondi laser during femto-laser catarat surgery and tradictional section
- 17.17 - (7') **Chloé Werner, Hélène Bresson-Dumont, Pierre-Yves Santiago, Xavier Zanlonghi** - Anterior chamber angle imaging with Swept-Source OCT UBM
- 17.24 - (6') Discussion
- 17.30 **END OF THE SESSIONS**

**Image Gallery. Image competition
Joseph Carroll**