



PRELIMINARY PROGRAM

**Note: The order of sessions is only indicative. It will be reworked for the definitive program
The definitive program will be published July 15**

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

Key note Lectures

The order of sessions is only indicative

Marco Zarbin - Concepts in the Pathogenesis of Age-Related Macular Degeneration

Richard Spaide

Eric Souied - Pathways from CNV to fibrosis

Philip J. Rosenfeld, Ruikang Wang SS-OCT Imaging of the choriocapillaris and choroid

Quan Dong Nguyen

K. Bailey Freund - Current understanding of Pachychoroid disease

Barbara Parolini A new way to look at myopic traction maculopathy

Macular Degeneration CNV

Session Macular Degeneration, CNV 1

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

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

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

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

Bruno Lumbroso

Discussion

Session Macular Degeneration, CNV 2

Anat Loewenstein - Early detection and home monitoring of macular degeneration

Anat Loewenstein - Slow release devices for the management of AMD

Amir Kashani - RPE Monolayer Transplantation for Severe Vision Loss Associated with Geographic Atrophy and Advanced Dry Age Related Macular Degeneration

Aude Ambresin - Reliability of SDOCT compared to angiography in the classification of choroidal neovascularization (CNV) subtypes due to wet AMD

Discussion

Session Macular degeneration, CNV 3

Chairs: Min Wang, Philip Rosenfeld, Sylvia Nghiem Buffet

Philip J. Rosenfeld: A Comparison Study of Polypoidal Choroidal Vasculopathy Imaged with Indocyanine Green Angiography and Swept Source OCT Angiography

Irmela Mantel - Determining complete atrophy on SD-OCT using a deep learning algorithm

Min Wang - Evaluating neovascularization with swept source OCT

Sylvia Nghiem Buffet - OCT angiography peripapillary vessel perfusion density in wet AMD patients with repeated anti-VEGF injections

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

Discussion

Session Macular degeneration, CNV 4 Treatment

Francesco Viola - OCT/angio OCT

Francesco Viola - Primi risultati con Faricimab (Roche)

Francesco Bandello - Primi risultati con Conbercept

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

Francesco Boscia - Brolucizumab: fluid control in wAMD

Stela Vujosevic - wAMD: focus on new evidences in 2019

Discussion

Session Macular Degeneration, CNV 5

The Expanded Spectrum of Quiescent Macular Neovascularization

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

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

Philip J. Rosenfeld - Natural History of Subclinical Neovascularization in AMD

Nadia K. Waheed - Vascularized drusen in AMD

Vittorio Capuano - Quiescent Macular Neovascularization in Geographic Atrophy

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

Enrico Borrelli - Quiescent Macular Neovascularization in Pachychoroid disease

Discussion

Session Macular Degeneration, CNV 6

Defining new vessels imaging and activity biomarkers CNV 4

Chairs: Marco Rispoli, David Sarraf

Luca di Antonio - Choroidal neo vessels: imaging overview

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

David Sarraf

K. Bailey Freund

Discussion

Session Macular Degeneration, CNV 7

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

Discussion

Session Dry Macular degeneration

Chairs: Giovanni Staurenghi, Michel Paques

Giovanni Staurenghi - OCT classification of geographic atrophy

Elisabetta Pilotto - Müller cells and choriocapillaris in the pathogenesis of geographic atrophy secondary to age-related macular degeneration

Michel Paques - Time-lapse imaging of dry AMD

Giovanni Staurenghi - The importance of multimodal imaging to predict geographic atrophy

Discussion

Vascular Anatomy and Vascular retinal disorders

Foveal avascular zone

Chairs: Yali Jia, Toco Chui

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

Joseph Carroll - Issues in Interpreting FAZ-Based Metrics

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

Amani Fawzi - TBD

Discussion

Anatomy and function of retina and capillaries

Chair: Alain Gaudric

Michel Paques - The 3D anatomy of macular capillaries

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

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

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

David Sarraf - Pathoanatomy of the DCP and Associated Clinical Consequences

Discussion

Session Diabetic Retinopathy 1

Edoardo Midena - Müller cells in diabetes: imaging and liquid biopsy

Amir Kashani - Retinal Vascular Reactivity in Diabetic Retinopathy

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

Luisa Friziero - The fourth retinal capillary plexus in diabetes

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

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

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

Discussion

Session Diabetic Retinopathy 2

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

Chair: Amani Fawzi

Lee Jampol

Nadia Waheed

Amani Fawzi

Discussion

Session Diabetic Retinopathy 3

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

Khalil Falavarjani - Changes in macular non-perfusion after anti-VEGF therapy in DME

Dana Cernohuba - Vessel density and FAZ evaluation in diabetic retinopathy at OCT A

Anna Wozniak - Macular OCT-angiography parameters in prediabetes

Discussion

Session Diabetic Retinopathy 4 treatment

Angelo Minnella - Valutazione morfo-funzionale in pazienti con EMD trattati con fluocinolone acetone

Discussion

Session Vascular Disorders

Chairs: Dmitrii Maltsev, Jay Chhablani

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

Dmitrii Maltsev, AN Kulikov, MA Burnasheva, AA Kazak, Jay Chhablani - Structural en face optical coherence tomography imaging for identification of leaky microaneurysms in diabetic macular edema

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 Anibal Restrepo - Relationship between geographic altitude, foveal avascular zone metrics and vascular density values assessed by optical coherence tomography angiography

Discussion

Session OCT in inherited retinal dystrophies

Chairs: Martine Mauget Fajsse, Isabelle Meunier - VENERDI'

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

Sabine Derrien, E. Laumonier, R. Lejoyeux, M. Robert, Vivienne Vasseur, AS Alonso, Martine Mauget-Fajsse - Macular Genesis in Albinism

Elise Boulanger-Scemama, I. Audo, Marco Nassisi, J. Birtel, S. Mohand-Saïd, 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

Edouard Augstburger, R. Orès, S. Mohand-Saïd, 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

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

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

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

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

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

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

Discussion

Retinal and Choroidal Flow

Retinal Ischemia

Chair: Francesco Bandello

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

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

Lee Jampol - DRICR.net - Retinal non-perfusion, perimetry and Anti-VEGF therapy

José Cunha-Vaz - Which is the best approach to proliferative diabetic retinopathy

Discussion

Visible light OCT

Chairs: Yali Jia, Hao Zhang

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

Vivek J. Srinivasan - OCT oxymetry

Ji Yi - OCT oxymetry

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

Bernhard Baumann - Visible-light OCT

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

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

Hiroshi Ishikawa - OCT oximetry (clinical data)

Discussion

Choroidal flow deficit analysis COMBINED WITH Current concepts in Analyzing Choriocapillaris Flow Deficits

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

Richard Spaide - Is spectral domain OCT and the Phansalkar method a valid analysis of choroidal flow deficit?

Philip J. Rosenfeld - Swept source OCT is the only accurate way to measure choroidal flow deficit?

Enrico Borrelli

Richard Spaide - Spectral domain OCT-A is sufficient for analysis of the choriocapillaris

Philip J. Rosenfeld - Swept source OCT-A is essential to assess the choriocapillaris

Ricky Wang - Processing tips and strategies for quantifying choriocapillaris flow deficits
SriniVas Sadda - Slab selection for visualizing the “choriocapillaris”: could deeper be better?
Alexandra Miere, Eric Souied - Long-term quantitative analysis of choriocapillaris flow impairment in AMD by means of OCTA
Discussion

Choroid Disorders and Choroiditis

The Pachychoroid Disease Spectrum 1

Chairs: K. Bailey Freund, Won Ki Lee

Won Ki Lee - Retinoschisis in eyes with pachychoroid
Gemmy Cheung - Choroidal morphology in pachychoroid disease
Jay Chhablani - Consensus nomenclature for CSCR
K. Bailey Freund - 3D rendering of aneurysmal pachychoroid neovascularopathy
Hideki Koizumi - Detection of subclinical pachychoroid pigment epitheliopathy
Discussion

The Pachychoroid Disease Spectrum 2

Chair: K. Bailey Freund

Mark Nelson - Exudative Maculopathies – Polymorphic Spectrum of Pachychoroid, Central Serous Chorioretinopathy, and Choroidal Neovascularization (CNV) – Classification, Diagnosis and Treatment
Discussion

Study of the choroid by OCT and OCT-A

Chair: Jose Maria Ruiz Moreno

Rufino Silva - The choroid in a Caucasian Population with PCV
Luis Arias - Choroid in RAP
Iñaki Flores - The choroid in pachychoroidal epitheliopathy, central serous chorioretinopathy and pachychoroidal neovascularopathy
Jay Chhablani - Study of the choroid by OCT: Choroidal Biomarkers
Discussion

CSC

Chair: Ethan Priel

Ethan Priel - OCT-A in CSR – New and Multi-Modal Imaging Findings
Discussion

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

Chair: Albert Augustin

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

Myopia

Pathologic Myopia and Myopic Maculopathy. Multimodal study

Chair: Jose Maria Ruiz Moreno

Francine Behar-Cohen - Rôle of MR antagonists in dome shape macula
Suzanne Yzer - Multimodal imaging on posterior staphyloma
JM Ruiz-Moreno - OCT-A and Pathologic Myopia and Myopic Maculopathy: OCTA in myopic CNV
Jorge Ruiz-Medrano - Myopic maculopathy classification: ATN
Discussion

Myopia and Myopic Maculopathy

Chairs: Michel Puech, Svetlana Zhukova

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

Discussion

OCTA-histology correlation

Histological Validation of OCT and OCTA Signatures

Chairs: Christine A. Curcio, K. Bailey Freund

Chandra Balaratnasingam - OCTA-histology correlation of the macular circulation

Christine A. Curcio - Imaging-histology correlations in non-neovascular AMD

Serena Fragiotta - Hyperreflective crystalline deposits in non-neovascular AMD

K. Bailey Freund - Clinical relevance of non-exudative type 1 neovascularization

Ling Chen - Clinicopathologic correlation of non-exudative type 1 neovascularization

Discussion

Session Imaging 1

OCTA: research or routine?

Chair: Yves Salomon Cohen

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

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

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

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

Discussion

The role of OCT-A in multimodal imaging

Chair: Giovanni Staurenghi

Mariano Cozzi

Marco Pellegrini

Alessandro Invernizzi

Anna Paola Salvetti

Giovanni Staurenghi

Discussion

Session Imaging 2

Chairs: Theodore Leng, Michel Paques, Francine Behar Cohen

Theodore Leng - Multimodal high-resolution imaging of epiretinal membranes including adaptive optics co-chair/moderate a session

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

Jean Michel Muratet - Oct Angiography and non mydriatic confocal retinography » en FRANÇAIS

Francine Behar Cohen - les cellules glaires de la macula

Francine Behar Cohen - l'imagerie in vivo des cellules de l'épithélium pigmentaire chez l'homme par technique TOPI

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

Discussion

Session Imaging 3

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

Chairs: Giovanni Staurenghi, Joseph Carroll

Brandon Lujan - Why do your OCT-A images look better than ours

Giovanni Staurenghi - Do you think all the OCT-A are the same?

Marion Munk - Qualitative and quantitative differences of OCTA devices from a reading center perspective

Joseph Carroll - Comparing FAZ metrics from different OCT-A devices

SriniVas Sadda - Quantitative OCT-A metrics from different OCT-A instruments

Discussion

Session Imaging 4
Is FA still useful in OCTA era?

Chair: Maria Cristina Savastano

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

Wide Field Imaging

Session Imaging 5

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

Chairs: David Sarraf, Justis Ehlers

Sumit Sharma - Higher Order OCT Characterization and Quantitative Feature Extraction in Diabetic Macular Edema
Justis Ehlers - Quantitative UWFA in Diabetic Eye Disease: Opportunities for New Assessment of Disease Activity
Katherine Talcott - Macular Ellipsoid Zone Integrity Quantification in Retinal Diseases
Daniel Martin - Challenges in Clinical Trials with Novel Quantification Strategies and Emerging Imaging Modalities
Francesco Pichi - Quantitative analysis of choroidal granulomas using swept source OCTA --
Sunil Srivastava - Quantitative Imaging in Uveitis
Discussion

Session Imaging 6

Wide-field imaging

Chairs: Ursula Schmidt Erfurth, Paolo Lanzetta

Julia Hafner - Is the periphery relevant in staging diabetic retinopathy?
Andreas Pollreisz - Wide-field OCT-A imaging
Amani Fawzi - Which parameters are relevant in OCT-A wide-field imaging
Lee Jampol - Does anti-VEGF therapy improve the diabetic retinopathy score
Valentina Sarao, Paolo Lanzetta - How does wide-field imaging work in the clinical practice
Discussion (10')

Session Imaging 7

Amira Hamzaoui, Ourida Ouhadj - Discordant OCT results Vs GCC: what to do? Which retain?
Discussion

Quantitative OCTA

Chair: Richard Rosen

Definition and standardization of qualitative and quantitative OCT-A metrics

Chair: Marion Munk

Dimitra Skondra - Nomenclature and definitions of qualitative OCTA parameters
Stela Vujosevic - Nomenclature and discrepancies of quantitative OCT-A parameters
Amir Kashani - Which metrics- and when? Qualitative and quantitative OCTA metrics in retinal vascular diseases for disease activity, severity and progression
Grace Richter - Which metrics -and when? Qualitative and quantitative OCT metrics in glaucoma
Francesco Pichi - Differences and discrepancies of qualitative and quantitative parameters in inflammatory and non-inflammatory retinal vascular diseases
Marion Munk - Challenges of OCTA parameters in clinical trials
Discussion

Optic Nerve, Neuro Ophthalmology, Glaucoma, Inflammation, uveitis

Glaucoma

Chair: Linda Zangwill

Michel Puech, Mourtaza Aimadaly - OCT-A of radial peripapillary vascularization and Pattern ERG in case of glaucoma patients

Natalia Kurisheva - Use of OCT-A in glaucoma (Attente de confirmation)

Michel Puech, Charlotte Sevin, Marie Julie Bovis - Anterior segment OCT and anterior iris root insertion in case of narrow angle

Discussion

Ocular Inflammation Uveitis

Chair: Moncef Khairallah

Moncef Khairallah, Imen Ksiai, Hager Ben Amor, Sana Khochtali, Riadh Messaoud - Combined swept-source OCT and OCT angiography in the appraisal and management of Behçet retinal vasculitis

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

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

Discussion

OCT Anterior segment

Chair: Michel Puech

Karine Hawa, Neda Abraham - Use of OCT Casia 2 for lens equator analysis: a new tool for ELP and IOI calculation.

Michel Puech - Use of OCT Casia 2 for Anterior and posterior lens curvature measurement

Christophe Baudouin, Emmanuelle Brasnu - OCT-A and ocular surface analysis

Neda Abraham, Karine Hawa - OCT-A of the iris

Dan Reinstein, Marine Gobbe - Corneal epithelial mapping and keratoconus diagnosis

Discussion

Optic Nerve

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

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

Umur Kayabasi - OCT-A of peripapillary vessel density and retinal perfusion in compressive lesions of the optic nerves

Etienn Bodart - Clinical study of macular capillary densities in optical neuropathies

Lydia Merabtene, Ourida Ouhadj - OCT in functional explorations of inflammatory optic neuropathy

Discussion

Neuro degenerative Disorders

Chair: Albert J. Augustin

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

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

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

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

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

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

Discussion

OCT and Surgery

Chair: Stanislao Rizzo

Artificial Intelligence

Artificial Intelligence 1

Artificial Intelligence in OCT and OCTA

Chairs: Yali Jia, Xincheng Yao

Aaron Lee - OCT

Hiroshi Ishikawa - AI in Glaucoma: Clinical Applications

Marinko Sarunic - Deep Learning for OCT Angiography in Diabetic Retinopathy

Xincheng Yao - OCTA Machine learning based OCTA classification of retinopathies

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

Discussion

Artificial Intelligence 2

The state-of-the-art in artificial intelligence

Chairs: Ursula Schmidt Erfurth, Paolo Lanzetta

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

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

Bianca Gerendas - Machine learning applications to doctor-patient interactions

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

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

Discussion

Artificial Intelligence 3

Deep Learning Artificial Intelligence

Chairs: Guotong Xie, Min Wang

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

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

Discussion

Artificial Intelligence 4

Chairs: Marion Munk, Shin Kadomoto

Marion Munk - Extraction of patient specific information in the wild

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

Discussion

Information from Industries

Visions of Future by Industry Senior Executives

Chairs: Wolfgang Drexler, Bruno Lumbroso

Optovue - **Jay Wei**

Zeiss

Nidek

Topcon

Heidelberg Engineering -

Optopol - **Arkadiusz Chalecki** - Newest OCT developments

Mocean

Novartis - **Gaia Panina** - Commitments and pipeline

Centervue

Canon - **Ori Zahavi**: The future with Canon

Technological Developments by Clinicians and Engineers

Chairs: Wolfgang Drexler, Philip J. Rosenfeld

Optovue - **Qienyuan Zhou**

Zeiss

Nidek

Topcon

Heidelberg Engineering

Optopol - **Arkadiusz Chalecki**
Mocean
Centervue
Canon - **Ori Zahavi**

Session OCT and OCTA techniques

Mojtaba Abrishami - Effects of Fatigue on Image Quality of Optical Coherence Tomography Angiography
Pasquale Viggiano, Enrico Borrelli, Federica Evangelista, Lisa Toto, Rodolfo Mastropasqua, Leonardo Mastropasqua - Eyelashes Artifact in Ultra-Widefield Optical Coherence Tomography Angiography
Discussion

Other sessions papers

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
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
Mojtaba Abrishami - Multimodal Imaging in Posterior Microphthalmos
Ioannis P. Theocharis - A Structural OCT-based unifying concept of the etiology of macula disease
Discussion

Image gallery Joe Carroll, Brandon Lujan

Quick Fire Session, HALL C

Chairs: Anita Leys, Martine Mauget Faysse, Gabriele Thumann

Iannis Giannakis Management of late occurrence of fingolimod associated macula oedema (FAME)

Francoise Belloir Furet - Dépistage de la sténose carotidienne et prévention des AVC par l'Angio Oct

Marina Banteka, Beckie MacPhee, Annegret Dahlmann-Noor, Thomas Dhanes - Octa in probable paediatric ocular sarcoidosis

Robert Steigerwalt - A case of paracentral acute middle maculopathy (PAMM) treated by prostaglandin E1

Neda Abraham, Karine Hawa - Case report: Use of OCT-A in case of naevus becoming melanoma

Nesrine Abroug, Molka Khairallah, Tarek Dridi, Wejdane Nebi, Bechir Jelliti, Sana Khochtali,

Moncef Khairallah - Swept-source OCT angiography in tubercular retinal vasculitis

Amal Kadri, Imen Ksiao, 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

Imen Ksiao, 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

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

Hager Ben Amor, Amal Kadri, Imen Ksiao, Mosaab Mefteh, Sonia Attia, Sana Khochtali,

Moncef Khairallah - Swept-source OCT and OCT angiography in acute VKH disease

Swept-source OCT and OCT angiography in punctate inner choroidopathy

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

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

Imen Ksiao, Safa Ben Aoun, Kais Ben Abderrahim, Hager Ben Amor, Bechir Jelliti, Sana

Khochtali, Moncef Khairallah - Swept-source OCT in the follow-up of patients with chronic VKH disease

Ourida Ouhadj, Merriem Benmeriem, Lydia Merabtene, Amine Haddad, Mahfoud Belabelouahab - Intravitreal injection of Melphalan and Retinoblastoma

Young Ophthalmologists Retinal Imaging Society (YORIS) Symposium

Pupil vs teacher

Chairs: Enrico Borrelli, Daniela Bacherini, Rodolfo Mastropasqua

Mariacristina Savastano vs Marco Rispoli

- Dark Halo

Marco Lupidi vs Florence Coscas

- Neovascular AMD: OCTA is enough in the diagnosis and treatment • There is still place for dye angiography in neovascular AMD

Vittorio Capuano vs Giuseppe Querques

- Quiescent neovascularization: OCTA is fundamental for their diagnosis • Structural OCT is a useful tool for the identification of quiescent neovascularizations

Adrian Au vs David Sarraf

- The importance of OCTA in retinal vein occlusions • Don't forget the structural OCT

Riccardo Sacconi vs Francesco Bandello

- Fundus autofluorescence is important for the prognosis of eyes with GA • OCTA is important for the prognosis of eyes with GA

Daniele Veritti vs Paolo Lanzetta

- Small gauge vitrectomy: is there a real difference between 27 and 25? Yes/No

Marco Nassisi vs SriniVas Sadda

- OCTA predicts the progression of intermediate AMD eyes • Structural OCT is the most important tool to predict the progression of eyes with intermediate AMD

SYMPOSIUM: Optovue
LUNCH SYMPOSIUM: Nidek
LUNCH SYMPOSIUM: Zeiss