



Program

THURSDAY DECEMBER 8

15.30-16.30 REGISTRATION

17:46

17:48

17:50 17:52

17:54 17:56 Discussion

Discussion

Discussion

Tamer Mahmoud - Progressive SNIFR

Aleksandra Rachitskaya - Mistery case

CAVALIERI 2 ROOM

16.30-18.45 RETINA CASE CONFERENCE: OPENING CONGRESS Chairs: SUSAN RRESSUED STANISUA O DIZZO DICHARD SPAIDE

	Chairs: SUSAN BRESSLER, STANISLAO RIZZO, RICHARD SPAIDE
16:30	Introduction
16:34	Albert Augustin - A case of choroidal infiltration and retinal detachment in young girl
16:36	Discussion
16:38	Angelo Minnella - Mistery case
16:40	Discussion
16:42	J. Fernando Arevalo - Mistery case
16:44	Discussion
16:46	Albert Augustin - Unusual presentation of an intraocular Tumor
16:48	Discussion
16:50	Alfonso Savastano - New XEN 63 implant in eyes affected by glaucoma after silicone oil removal
16:52	Discussion
16:54	Marco Nassisi - Vitreous veils
16:56	Discussion
16:58	Carl Awh - Mistery case
17:00	Discussion
17:02	Enrico Peiretti - Management of an unexpected foreign body into the lens
17:04	Discussion
17:06	Joseph Carroll - An Incidental Retinal Degeneration
17:08	Discussion
17:10	David Chow - Mistery case
17:12	Discussion
17:14	Christine A. Curcio- Are cuticular drusen and nodular drusen the same thing?
	A clinicopathologic correlation
17:16	Discussion
17:18	Lyndon Da Cruz- The Story Unfolding'
17:20	Discussion
17:22	Claus Eckardt- Just a common case
17:24	Discussion
17:26	Susan Bressler - Mistery case
17:28	Discussion
17:30	Philip Ferrone - Mistery case
17:32	Discussion
17:34	Marta Figueroa - Unexpected Postoperative Evolution of a MH-retinal detachment
	Case Using Plasma Rich in Growth Factors
17:36	Discussion
17:38	K. Bailey Freund - Mistery case
17:40	Discussion
17:42	José García-Arumí - Mistery case
17:44	Discussion

Tarek Hassan - Outside-In Dissection for Diabetic Traction Retinal Detachment

THURSDAY DECEMBER 8

CAVALIERI 2 ROOM

17:58	Carl D. Regillo - Roid Rage
18:00	Discussion
18:02	David Sarraf - Mystery Maculopathy
18:04	Discussion
18:06	Gaurav K. Shah - Medical case
18:08	Discussion
18:10	Paulo Stanga - New Imaging Technology: Combined & Simultaneous Ultra Widefield Multiwavelength Imaging, FFA and Widefield Navigated SS-OCT in PDR before & after Retinal Laser and Vitrectomy Surgery
18:12	Discussion
18:14	<i>Tom Williamson</i> - Management of recurrent subretinal fluid accumulation in a patient
	with encephalocraniocutaneous lipomatosis
18:16	Discussion
18:18	Usha Chakravarthy - Mistery case
18:20	Discussion
18:22	Nadia Waheed - A case of AMD masquerade
18:24	Discussion
18:26	Amani Fawzi - Mistery case
18:28	Discussion
18:30	Sandrine Zweifel - Mistery case

18:32

18:34

18:36

18:38

18:40

Discussion

Discussion

Discussion

Richard Spaide - Perfect Macular Hole

Marion Munk - Mistery case

COLOSSEO ROOM

08.00-08.30 BREAKFAST WITH THE EXPERT



CAVALIERI 2 ROOM

08.30-09.30 DIABETIC RETINOPATHY IMAGING

Chairs: ALEXANDER J. BRUCKER, SRINIVAS SADDA, ERIC SOUIED, RAMIN TADAYONI

- 8:30 *Alexander J. Brucker* Diabetic Retinopathy- a diagnostic conundrum
- 8:36 Srinivas Sadda Ethnic differences in the distribution of diabetic retinopathy lesions
- 8:42 **David Keegan** Identifying Trends and Causes of Non Attendance at Screening and Treatment in Diabetic RetinaScreen
- 8:48 Rosangela Lattanzio Beyond the Macula in Diabetic Retinopathy
- 8:54 Discussion
- 9:00 David Huang Relating microaneurysms to edema in diabetic retinopathy using OCT angiography
- 9:06 Amani Fawzi Detecting High Risk Diabetic Retinopathy and Predicting Progression using OCTA
- 9:12 *Eric Souied* Optical coherence tomography angiography for quantitative microvascular assessment in diabetic retinopathy: inter-device and intra-device agreement and correlation with clinical staging
- 9:18 Ramin Tadayoni Can OCTA replace FA for evaluation of diabetic retinopathy?
- 9:24 Discussion

09.30-10.30 DIABETIC MACULAR EDEMA

Chairs: FRANCESCO BANDELLO, SUSAN BRESSLER, BARUCH KUPPERMANN

- 9:30 Edoardo Midena Precision medicine approach to diabetic macular edema diagnosis and treatment
- 9:36 Baruch Kuppermann The Role of Inflammation in Diabetic Macular Edema
- 9:42 *Mariacristina Parravano* Intravitreal aflibercept in routine clinical practice:
 - AURIGA 24-month results from treatment-naïve patients with DME
- 9:48 **Susan Bressler** Starting with Aflibercept vs Bevacizumab with Rescue Aflibercept for DME: Do the Outcomes Differ?
- 9:54 Discussion
- 10:00 **Sobha Sivaprasad** Aflibercept 8mg in diabetic macular edema
- 10:06 *Srinivas Sadda* Faricimab: clinical and real world case studies
- 10:12 Francesco Bandello Brolucizumab in diabetic macular edema
- 10:18 Peter Kaiser New drugs in DME
- 10:24 Discussion

10.30-11.15 BREAKFAST SYMPOSIUM

Moderator: GIACOMO PANOZZO
Panel: VINCENZA BONFIGLIO, JOSÉ CUNHA-VAZ, PAOLO LANZETTA,
ROSANGELA LATTANZIO. SOBHA SIVAPRASAD



- 10:35 *Giacomo Panozzo* The real-life treatment of DME in Italy: highlights from a multicenter retrospective study Part 1
- 10:45 *Vincenza Bonfiglio* The real-life treatment of DME in Italy: highlights from a multicenter retrospective study Part 2
- 10:55 Round table: new aspects in the treatment of DME







CAVALIERI 2 ROOM

11.15-12.15	DIARFTIC	RETINOPATHY	TDFATMENT
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Chairs: NEIL BRESSLER, PETER KAISER, DAVID KEEGAN

11:15	Peter Kaiser - RGX-314 for the treatment of diabetic retinopathy
11:21	Neil Bressler - Anti-VEGF Prevention for Severe Nonproliferative Diabetic Retinopathy: Two Perspectives

- 11:27 *Gianni Virgili* The Cochrane review on antiVEGF for PDR
- 11:33 Discussion
- 11:39 *Mariacristina Parravano* Impact of intravitreal anti-VEGF on microperimetric correlates of retinal nonperfusion areas in patients with proliferative diabetic retinopathy
- 11:45 Neil Bressler Managing Proliferative Diabetic Retinopathy: Anti-VEGF Monotherapy, PRP, or Both
- 11:51 *Matteo Giuseppe Cereda* The Crunch Syndrome in Proliferative Diabetic Retinopathy: a literature review and our experience
- 11:57 Steven D. Schwartz Modern indications for diabetic vitreoretinal surgery
- 12:03 *Cesare Mariotti* Artificial intelligence and handheld fundus camera as an effective tool in Diabetic Retinopathy screening in a real life setting
- 12:09 Discussion

12.15-13.10 GENE THERAPIES AND ADVANCED THERAPEUTIC APPROACHES

Chairs: ALEKSANDRA RACHITSKAYA, JOSÉ ALAIN SAHEL, FRANCESCA SIMONELLI

- 12:15 *Francesca Simonelli* Gene therapy for RPE65 related Inherited retinal dystrophies: real life experience in Italy
- 12:21 Aleksandra Rachitskaya Gene therapy in Inherited Retinal Diseases, Imaging and Surgery
- 12:27 Nadia Waheed Gene therapy strategies for common retinal disease
- 12:33 Suber Huang Ocular Immune Response in Retina Gene Therapy
- 12:39 Discussion
- 12:45 *José Alain Sahel* Early Clinical Trials in Vision Restoration
- 12:51 **Bart Leroy** Efficacy and safety of sepofarsen, an intravitreal RNA antisense oligonucleotide, for the treatment of CEP290- associated Leber congenital amaurosis (LCA10): a randomized, double-masked, sham- controlled Phase 3 study (ILLUMINATE)
- 12:57 *Alfonso Savastano* Preliminary results of Cord blood Plateled Rich Plasma (CB-PRP) subretinal injection for retinitis pigmentosa ad age-related macular degeneration
- 13:03 Discussion

13.10-13.25 BRUNO LUMBROSO LECTURE LIVE

K. BAILEY FREUND

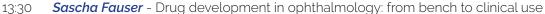
PXE: A Rare Disease with a Multitude of Retinal Imaging Findings

13.25-13.30 ASSOCIAZIONE PAZIENTI RETINA

13.30-14.15 LUNCH SYMPOSIUM:

New horizons in Retinal Diseases and beyond

Chairs: FRANCESCO BANDELLO, PAOLO LANZETTA, SRINIVAS SADDA



13:40 Edoardo Midena - The inhibition of pathologic pathways in DME and nAMD

13:50 Panel discussion





CAVALIERI 2 ROOM

14.15-15.00 INHERITED RETINAL DISEASES (IRD) ACTUAL MANAGEMENT AND FUTURE PERSPECTIVESChairs: ALBERT AUGUSTIN, BART LEROY, ROBERT MACLAREN

14:15	Alessandro lannaccone - Approaches to the clinical, functional and genetic work-up for
	optimized characterization of the Inherited Retinal Diseases (IRD) patient

- 14:21 Bart Leroy Current Practice in Phenotyping and Genotyping in Inherited Retinal Diseases
- 14:27 Robert Maclaren An introduction to CRISPR gene therapy and gene editing for retinal disease
- 14:33 José Alain Sahel Cone Directed Strategies in Retina Degeneration
- 14:39 *Francesco Testa* Progress in therapeutic strategies for Stargardt disease
- 14:45 *Francesca Simonelli* A longitudinal natural course study for MYO7A Usher patients in preparation of a phase I clinical trial
- 14:51 Discussion

15.00-15.30 SPONSORED SESSION - TECHNOLOGICAL DEVELOPMENTS BY CLINICIANS AND ENGINEERS

- 15:00 Shawn Peng DREAM it possible: A new generation of Swept-Source OCT Intalight Inc
- 15:07 Ori Zahavi Advantages of wide field OCT Canon
- 15:14 Arkadiusz Chalecki REVO FC 130 Update on the world's fastest All in One Spectral Domain OCT Optopol
- 15:21 Tara Pahlevan Accelerating the development of innovation in SS-OCT: Al and beyond ZEISS

15.30-16.30 FLUID MONITORING IN CLINICAL PRACTICE

Chairs: URSULA SCHMIDT-ERFURTH

- 15:30 Paolo Lanzetta What we know about the role of fluid in macular disease
- 15:37 **Jennifer Arnold** Treat & Extend.. where to now?
- 15:44 Ramin Tadayoni Al-based fluid quantification: Needs and value
- 15:51 Discussion
- 16:00 *Ursula Schmidt-Erfurth* Insights from a prospective multi-center trial
- 16:07 Daniel Barthelmes Fluid monitoring in the FRB real-world practice
- 16:14 **Stela Vujosevic** First experience to handle an AI-tool in the clinic
- 16:21 Discussion

16.30-17.15 CHORIORETINAL VASCULAR DISEASES

Chairs: AMANI FAWZI, NADIA WAHEED, JAY CHHABLANI, FRANCESCO BOSCIA

- 16:30 Nadia Waheed Machine Learning in Image Enhancement for Retinal Vascular Disease
- 16:35 *Marco Lupidi* Improvement of retinal OCT angiograms by Sampling Kantorovich algorithm in the assessment of retinal and choroidal perfusion
- 16:40 *Francesco Boscia* Eplerenone for Chronic serous choriorerinopathy
- 16:45 *Francesco Bandello* 5-year morphologic biomarkers in macular edema secondary to retinal vein occlusion
- 16:50 *Claudio Iovino* Coincident PAMM And AMN and insights into a common pathophysiology
- 16:55 Amani Fawzi Neurovascular interactions in MacTel, what we have learned from imaging
- 17:00 Daniel Pauleikhoff Macular Teleangiectasis type 2 pathogenesis, clinical course and potential treatment
- 17:05 David Sarraf Henle Fiber Hemorrhage in Mac Tel: Can we Explain the Right Eye Dominance?
- 17:10 Discussion

CAVALIERI 2 ROOM

17.15-17.35 MAIN LECTURE

LAWRENCE YANNUZZI - AZOOR: Acute and Relentless Progression

CAVALIERI 1 ROOM

08.00-13.00 LIVE SURGERY

Moderators from operatory theatre: STEVE CHARLES, DONALD J. D'AMICO, CLAUS ECKARDT Moderators from Auditorium: BERNARDO BILLI, STEFANO DE CILLÀ, JOSÉ GARCÍA-ARUMÍ, TAREK HASSAN, FABIO PATELLI, MARIO ROMANO, GAURAV K. SHAH, MATTEO FORLINI

SURGEONS

Rome: STANISLAO RIZZO, VINCENZO FERRARA, FRANCESCO BOSCIA, FRANCESCO BARCA, DANIELE TOGNETTO, VINCENZO SCORCIA, MICHELE COPPOLA, PAOLO LANZETTA, MARCO MURA

Negrar: GUIDO PRIGIONE, GRAZIA PERTILE

Leuven: PETER STALMANS

Newcastle: SANDRO DI SIMPLICIO

Athens: YUSUKE OSHIMA, PETROS PETROU, STRATOS GOTZARIDIS, SEBASTIAN GUIGOU,

PANOS STAVRAKAS, THEODOROS GIANOPOULOS

13.00-13.45 LUNCH SYMPOSIUM: Eye to Eye - Advancing your surgical toolbox

Alcon

- 13:00 Stanislao Rizzo Welcome & Introduction
- 13:05 **David Chow** The most trusted surgical equipment in Retina surgery understanding hardware and technology
- 13:15 *Marta Figueroa* Surgical cases: There is more than meets the eye use cutspeed and tip design to your advantage
- 13:28 *Vincenzo Ferrara* Surgical Cases: Handles and tips in complex surgery precision and contol within and outside the eye
- 13:41 Stanislao Rizzo Closing remarks

13.45-14.30 HOW DO I DO IT

Chair: EHAB EL RAYES

Panel: CARL CLAES, CLAUS ECKARDT, JOSÉ GARCÍA-ARUMÍ, MARTA FIGUEROA, KAZUAKI KADONOSONO. MARCO MURA

14.30-15.30 MACULAR HOLE

Chairs: MARC DE SMET. FRANCESCO FARALDI, MARTA FIGUEROA, LEJLA VAJZOVIC

- 14:30 *Marc De Smet* Can imaging orient our choice in macular hole surgery?
- 14:35 *Gian Marco Tosi* Full-Thickness Macular Hole Pre-operative Progression Rate: Prognostic Implications Related to the Choice of Surgical Timing
- 14:40 *Ricarda G. Schumann* The Internal Limiting Membrane Peeling Lessons Learned From Histopathology
- 14:45 *Andrea Govetto* Signs and mechanisms of photoreceptor disruption in full-thickness macular hole: clinical insights and prognostic value
- 14:50 Daniele Tognetto Prognostic factors in macular hole surgery: new variables
- 14:55 Discussion
- 15:00 Marta Figueroa Plasma Rich in Growth Factors (PRGF) in large and complex macular hole cases
- 15:05 Donald J D'Amico Decision Making in Macular Hole Surgery: How To Select the Best Surgical Approach
- 15:10 Tomaso Caporossi Optic disk pit maculopathy treatment using a human amniotic membrane patch
- 15:15 José García-Arumí Surgical management of optic pit maculopathy
- 15:20 Discussion

CAVALIERI 1 ROOM

15.30-16.30 INTRAOCULAR TAMPONADES

Chairs: STEVE CHARLES, MARIO ROMANO, TOMMASO ROSSI

- 15:30 Tommaso Rossi Gas tamponade contact with the retina during daily activity
- 15:35 *Peter Szurman* Hydrogel developments as vitreous substitute
- 15:40 **Steve Charles** Medium term PFO for inferior retinal detachments and inferior, nasal, and temporal giant breaks
- 15:45 *Ernesto Bali* A safe way of using PFCL and preventing complication
- 15:50 Michele Coppola Visual and morphologic outcome of PFCL-free rhegmatogenous retinal detachment
- 15:55 Giorgio Marchini Management of glaucoma post PPV
- 16:00 *Mario Romano, James Burckhardt, Jana Tothova, Antonio Boccardi, Anna Carannante* Panel Discussion on Dyes, tamponades, Silicone oils

16.30-17.15 AFTERNOON SYMPOSIUM: Innovations in VR surgery

Moderator: CAROLINE BAUMAL



- 16:30 Gaurav K. Shah First experience with EVA NEXUS
- 16:40 *Marco Vecchi* No compromise 27g surgery my experience
- 16:50 Adel AlAkeely Instrument Innovation for Complex Detachment Surgery
- 17:00 Discussion

17.15-18.00 RETINAL DETACHMENT 1: SURGICAL TECHNIQUES

Chairs: J. FERNANDO AREVALO, YANNICK LE MER, GAURAV K. SHAH, DANIELE TOGNETTO

- 17:15 *Francesco Faraldi* Vitreoschisis-induced vitreous cortex remnants removal in primary rhegmatogenous retinal detachment
- 17:20 *J. Fernando Arevalo* Vitrectomy versus Vitrectomy with Scleral Buckling in the Treatment of Giant Retinal Tear Related Retinal Detachments: An International Multicenter Study
- 17:25 *Gaurav K. Shah* Vitrectomy versus combined vitrectomy and scleral buckle for repair of primary retinal detachment associated with vitreous hemorrhage
- 17:30 Daniele Tognetto Minimal scleral buckling: the most effective approach
- 17:35 *Teresio Avitabile* Macular Edema Following Vitrectomy for Primary Rhegmatogenous Retinal Detachment
- 17:40 Yannick Le Mer Retinal displacement after RD surgery : some clues for prevention
- 17:45 *J. Fernando Arevalo* Repair of Progressive Retinal Detachment Complicating Degenerative Retinoschisis: Surgical Management and Outcomes in Phakic Eyes
- 17:50 Thomas Wolfensberger A novel variant of pneumopexy
- 17:55 Discussion

BELLE ARTI ROOM

08.30-09.30 RETINAL LASER PHOTOCOAGULATION

Chairs: PAOLO LANZETTA

Panel: FRANCESCO BANDELLO, ANAT LOEWENSTEIN

- 8:30 Daniele Veritti Laser-tissue interactions in the retina: is there anything new?
- 8:35 Discussion
- 8:37 Francesco Bandello Is laser photocoagulation for proliferative diabetic retinopathy still needed? YES
- 8:43 Neil Bressler Is laser photocoagulation for proliferative diabetic retinopathy still needed? NO
- 8:49 Panel Is laser photocoagulation for proliferative diabetic retinopathy still needed?







BELLE ARTI ROOM

8:52	Usha Chakravarthy - What's the role of retinal rejuvenation therapy and photobiomodulation
	in the treatment of retinal conditions? A REVOLUTIONARY TOOL
8:58	Jay Chhablani - What's the role of retinal rejuvenation therapy and photobiomodulation
	in the treatment of retinal conditions? A TEMPORARY HYPE
9:04	Panel - What's the role of retinal rejuvenation therapy and photobiomodulation in the treatment
	of retinal conditions?
9:07	Stela Vujosevic - Is subthreshold micropulse laser treatment a valuable option for the treatment
	of central serous chorioretinopathy? YES
9:13	Anat Loewenstein - Is subthreshold micropulse laser treatment a valuable option for the treatment
	of central serous chorioretinopathy? NO
9:19	Panel - Is subthreshold micropulse laser treatment a valuable option for the treatment
	of central serous chorioretinopathy?
9:22	Valentina Sarao - Novel irradiation strategies for the treatment of retinal conditions

09.30-10.30 **IMAGING: NEW DEVELOPMENTS**

Chairs: JAMES FUJIMOTO, BRUNO LUMBROSO, DAVID HUANG

9:36	Michael Pircher - Adaptive optics optical coherence tomography: What do we see more?
9:42	Yves Salomon Cohen - Exudative vs. neovascular AMD
9:48	Peter Campbell, Jian Yifan - Ultrawide-field Handheld Optical Coherence Tomography
9:54	Discussion
10:00	Paulo Stanga - Two New Imaging Technologies for the Assessment of the Peripheral Vitreoretinal
	Interface and Retina: 23 mm Single Scan Widefield SS-OCT and Simultaneous Ultra Widefield FFA/ICG
	Angiography with Navigated Peripheral OCT
10:06	Mariano Cozzi - What we miss with the SD and SS OCT today: a High Resolution OCT study
10:12	Sebastian Wolf - High resolution OCT - New findings
10:18	Stela Vujosevic - Digital innovation for retinal care in diabetic retinopathy
10:24	Discussion

Massimo Nicoló - Oct image teleacquisition. A remote based approach to manage macular disease

BREAKFAST SYMPOSIUM: Advanced Research and Innovation 10.30-11.15 **Ophthalmic Biomarkers and Artificial Intelligence**

Moderator: STELA VUJOSEVIC



11:00 Discussion

9:27

9:30

Discussion

RETINAL IMAGING FOR PREDICTION OF SYSTEMIC DISEASES 11.15-12.15

Chairs: DANIELA BACHERINI, YVES SALOMON COHEN, SANDRINE ZWEIFEL

11:15	Sandrine Zweifel - The eye and the heart
11:21	Carol Cheung - Retinal Imaging in Alzheimer's Disease: an Overview and its Potential
11:27	Amir H. Kashani - Retinal Vascular Changes in Vascular Cognitive Impairment:
	A Novel Application for Optical Coherence Tomography Angiography
11:33	Gilda Cennamo - Updates on the role of OCTA in neurodegenerative disease
11:39	Discussion



BELLE ARTI ROOM

11:45	Angelo Minnella - Evaluation of retinal vasculopathy in Facioscapulohumeral
	Dystrophy using OCT angiography: a case series
11:51	Yves Salomon Cohen - Overview of subretinal deposits of systemic origin
11:57	Alexander J. Brucker - Pentosan Polysulfate Challenge
12:03	Luisa Pierro - New findings in early-stage keratoconus: lamina cribrosa curvature
	retinal nerve fiber layer thickness and vascular perfusion
12:09	Discussion

DEBATE LOUNGE 12.15-13.10

Chairs: BARUCH KUPPERMANN, ANAT LOEWENSTEIN, PAOLO LANZETTA

12:15	Francesco Bandello - The Port Delivery System will be an excellent option for nAMD patients with persistent fluid. AGAINST
12:20	Carl Awh - The Port Delivery System will be an excellent option for nAMD patients with persistent fluid. FOR
12:25	Adiel Barak - Augmented Reality has the potential to improve retinal surgery outcomes. FOR
12:30	Paolo Lanzetta - Augmented Reality has the potential to improve retinal surgery outcomes. AGAINST
12:35	Albert Augustin - Is It Necessary to Peel Internal Limiting Membrane in Diabetic Vitrectomy? YES
12:40	Diana V. Do - Is It Necessary to Peel Internal Limiting Membrane in Diabetic Vitrectomy? NO
12:45	Carl D. Regillo - Is there room for surgical displacement in Submacular
	Hemorrhage secondary to AMD? YES
12:50	Usha Chakravarthy - Is there room for surgical displacement in Submacular
	Hemorrhage secondary to AMD? NO
12:55	Jean-Francois Korobelnik - Vitrectomy is the best approach for treating serious vitreous opacities. FOR
13:00	J. Fernando Arevalo - Vitrectomy is the best approach for treating serious vitreous opacities. AGAINST

BRUNO LUMBROSO LECTURE LIVE from Cavalieri 2 ROOM 13.10-13.25

K. BAILEY FREUND

PXE: A Rare Disease with a Multitude of Retinal Imaging Findings

13.25-13.30 **ASSOCIAZIONE PAZIENTI RETINA**

LUNCH SYMPOSIUM: 13.30-14.15

Discussion

Learn about the world's fastest and most versatile SD OCT technology



- Bartosz Sikorski REVO FC 130 the All-in-One OCT device and its unique ocular biometric capabilities 13:30 Adam Wylegata - Corneal Grand Tour of Italy with REVO FC 130 13:50
- Discussion 14:10

13:05

OCT ANGIOGRAPHY FOR BEGINNERS Under the Patronage of SISO 14.15-15.15

Director: DANIELA BACHERINI

Special Guest and Honorary President: BRUNO LUMBROSO

Chairs: DAVID HUANG, MARCO RISPOLI



- **David Huang** Basic principle of OCT angiography (OCTA) 14:15 Enrico Borrelli - OCT angiography and retinal anatomy 14:25
- Nadia Waheed Image artifacts in OCT angiography 14:35
- Marion Munk OCT Angiography nomenclature in Retinal vascular Diseases 14:45
- Philip J. Rosenfeld OCTA imaging of MNV, PCV, and CC using boundary specific segmentation 14:55
- Luca Di Antonio Tips and Tricks of OCT angiography 15:05



RETINA

BELLE ARTI ROOM

ADVANCED OCT ANGIOGRAPHY Under the Patronage of SISO 15.15-16.30

Special Guest and International OCT Angiography

Opinion Leader: LUMBROSO BRUNO

Chairs: MARIA CRISTINA SAVASTANO, MARCO RISPOLI, DAVID SARRAF, CAROLINE BAUMAL



David Sarraf - Biomarkers in AMD in everyday clinical practice 15:29

15:36 Amani Fawzi - White dot syndrome: is OCTA helpful?

Discussion 16:43

Sandrine Zweifel - OCTA & Pachyvessels: a new biomarkers? 15:52

Marco Pellegrini - Role of OCTA in masquerade syndrome 15:59

Alexander J. Brucker - Wide Field imaging: future perspective 16:06

James Fujimoto - Advances in high speed SS-OCT angiography for assessing blood flow impairment 16:13

Discussion 16:20

AFTERNOON SYMPOSIUM: Advanced Research and Innovation 16.30-17.15

Ultra-widefield fundus imaging Moderator: GIUSEPPE QUERQUES

Jean-Francois Korobelnik - Bringing it together - Multi-Modal Ultra Widefield Imaging 16:30

Barbara Parolini - No compromises in fundus imaging with ultra-widefield technology 16:40

16:50 Mario Romano - Benefits of ultra-widefield imaging in vitreoretinal surgery

Discussion 17:00

17:24

17.15-18.00 MULTIMODAL IMAGING: HOW TO INTERPRET THE DIFFERENT SOURCES OF SIGNAL

Chair: FRANCESCO BANDELLO Co-Chair: GIUSEPPE QUERQUES

Riccardo Sacconi - Optical coherence tomography

Enrico Borrelli - Fundus Autofluorescence 17:15

Alessandro Arrigo - Optical coherence tomography angiography 17:33

Maria Vittoria Cicinelli - Ultrawide field angiography 17:42

Chairs & Speakers - Final remarks and discussion 17:51

ELLISSE ROOM

8.00-9.30 **AMD 1 - FREE PAPERS**

Chairs: MARIACRISTINA PARRAVANO, KHALIL G. FALAVARJANI, ANGELO MINNELLA, MARIA CRISTINA SAVASTANO

Introduction 8:00

8:06 Jungeun Won - Automated detection of small hyperreflective specks and flecks in non-neovascular age-related macular degeneration using ultrahigh resolution optical coherence tomography

8:10 Discussion



ELLISSE ROOM

8:12	Yehonatan Weinberger - Unique multi-modal imaging features of giant, subfoveal choroidal lipid globule
8:16	Discussion
8:18	<i>Giacomo Boscia</i> - Macular thickness and visual acuity are characterized by a quadratic nonlinear relation in previously treated neovascular amd eyes: retinal thickness deviation values better predicts visual function.
8:22	Discussion
8:24	Alessandro Arrigo - New quantitative octa metrics for the assessment of the growth and activity of macular neovascularization secondary to age-related macular degeneration.
8:28	Discussion
8:30	Diogo Cabral - Quantitative assessment of choriocapillaris flow deficits and type 1 macular neovascularization growth in age-related macular degeneration
8:34	Discussion
8:36	Pasquale Viggiano - Topographical analysis of the choriocapillaris reperfusion after loading anti-vegf therapy in neovascular amd
8:40	Discussion
8:42	Andrea Servillo - Intraretinal fluid in intermediate age-related macular degeneration
8:46	Discussion
8:48	Ana Filipa Moleiro - Can anti-vegf treatment influence choroidal thickness? -
	A retrospective study of patients with exudative age-related macular degeneration
8:52	— Discussion
8:54	Costanza Barresi - Capturing the transition from intermediate to neovascular amd: longitudinal inner retinal thinning and factors associated with neuronal loss
8:58	Discussion
9:00	<i>Francesco Romano</i> - Ten-year incidence of fibrosis and risk factors for its development in neovascular age-related macular degeneration.
9:04	Discussion
9:06	<i>Matteo Airaldi</i> - Differences in long-term progression of atrophy between neovascular and nonneovascular age-related macular degeneration
9:10	Discussion
9:12	Andrea Saladino - Fundus autofluorescence in extensive macular atrophy with pseudodrusen (emap) and diffuse trickling geographic atrophy (dtga)
9:16	Discussion
9:18	Federico Ricardi - Repeatability of reading performance measures in patients with neovascular
	age-related macular degeneration and good visual acuity
9:22	Discussion
9:24	Enrico Peiretti - Patients' satisfaction assessment in wamd management: an italian patient survey (the swan study)
9:28	Discussion

09.30-10.25 AMD 2 - FREE PAPERS

Chairs: RAMIN TADAYONI, RICHARD GALE, CHIARA EANDI

9:30	Pietro Monaco - Treat and extend versus pro re nata regimens in neovascular age-related macular degeneration: retrospective comparative study in a clinical practice setting.
9:34	—Discussion
9:36	- Matteo Mario Carlà - Brolucizumab for wet age-related macular degeneration: one-year
	real-world experience from a tertiary center
9:40	- Discussion
9:42	Livio Vitiello - Bilateral brolucizumab intravitreal injections in amd patients: a brief report
9:46	Discussion





		ELLISSE ROOM
9:48		ale Viggiano - Short-term morpho-functional changes in previously treated neovascular yes switched to brolucizumab
9:52	Discus	
9:54	age-re	Rudolf Muth - First real-live data on efficacy and safety of faricimab in neovascular lated macular degeneration (namd) and diabetic macular edema (dme) in switzerland
9:58	Discus	
10:00	from th	d Gale - Efficacy of intravitreal pegcetacoplan in geographic atrophy: 24-month results ne oaks and DERBY phase 3 trials
10:04	Discus	
10:06		Tadayoni - Safety of intravitreal pegcetacoplan in geographic atrophy: 24-month results ne OAKS and derby phase 3 trials
10:10		
10:12		vo Melo - Mechanisms of sterile inflammation after intravitreal injection angiogenic drugs
10:16		sion Discussion
10:18	Panel	Discussion
10.30-	11.15	MEET THE EXHIBITORS AT THE EXPO AREA
11.15-	L3.10	ROP COURSE Chairs: DOMENICO LEPORE, DARIUS M. MOSHFEGHI
		onans. Bornerwoo eer oke, Braktoo ra mooni earn
11:15	Fernar	ndo Molle - Introduction
11:20	Domei	nico Lepore - Screening and treatment criteria
11:35	Peter (Campbell - AI in ROP
11:50	Tomog	Campbell, Jian Yifan - New imaging techniques. Ultrawide Field of View Optical Coherence graphy for the Diagnosis and Classification of Retinopathy of Prematurity
12:05		Elizabeth Hartnett - antiVEGF vs Laser
12:20		M. Moshfeghi - Regression and reactivation
12:35		a Ricci - Early and Late visual assessment
12:50	Discus	sion
13.10-	13.25	BRUNO LUMBROSO LECTURE LIVE from Cavalieri 2 ROOM
		K. BAILEY FREUND PXE: A Rare Disease with a Multitude of Retinal Imaging Findings
13.25-	13.30	ASSOCIAZIONE PAZIENTI RETINA
13.30-	14.15	MEET THE EXHIBITORS AT THE EXPO AREA
14 15-4	15 20	WHAT YOU NEED TO KNOW IN THE PREVENTION AND MANAGEMENT

OF ENDOPHTHALMITIS IN 2022 Under the Patronage of GIVRE Chairs: FRANCESCO BOSCIA, GUIDO LESNONI, MARCO ANDREA PILERI,



14:15 **Daniele Tognetto** - Diagnosis, role of biopsy and antibiotics

STEFANO ZENONI, PAOLO LANZETTA

- 14:22 *Grazia Pertile* Post traumatic endophthalmitis
- 14:29 *Mario Romano* Post surgical endophthalmitis
- 14:36 *J. Fernando Arevalo* Post intravitreal injection endophthalmitis
- 14:43 Discussion
- 14:52 Jay Chhablani Specimens, lab, and PCR



ELLISSE ROOM

	Design Control of the
14:59	Rodolfo Mastropasqua - Antiseptic and antibiotic agents
15:06	Tito Fiore - Primary small gauge pars PLANA vitrectomy and silicon oil endotamponade fo
	endophthalmitis after cataract surgery: clinical and OCT findings
15:13	Tarek Hassan - Current and Future Evolution of Surgical Sterility
15:20	Discussion

15.30-16.30 REDO MACULAR HOLE SURGERY

Chairs: TOMASO CAPOROSSI, CARL CLAES, MARTA FIGUEROA

15:30	Gloria Gambini - Introduction
15:36	Carl Claes - Treatment of failed macular hole (hydrodissection)
15:42	Marta Figueroa - Plasma Rich in Growth Factors (PRGF) in failed macular hole cases
15:48	Daniela Bacherini - ILM in the treatment of failed MH
15:54	Luca Ventre - Relaxing retinotomies for secondary macular hole repair
16:00	<i>Tamer Mahmoud</i> - Autologous neurosensory retinal free flap transplantation (ART)
16:06	Tomaso Caporossi - Amniotic Membrane
16:12	Ciro Tamburrelli - Autologous iris transplant
16:18	Umberto Lorenzi - The Refractory Macular Hole (ReMaHo) study
16:24	Discussion

AFTERNOON SYMPOSIUM SING IMT: Implantable Miniature Telescope for Late-Stage AMD Chair: ALFONSO SAVASTANO



16:30	Adrian Hernandez – Accurate Patient Selection Delivers Better Outcomes for SING IMT
16:37	Mario Romano, Irene Nepita – The technology behind the SING IMT performance
16:44	Pantelis A. Papadopoulos - SING IMT: Similar to a cataract procedure to improve vision
	in patients with late stage-AMD
16:51	Boris Stanzel - Accelerating the Learning Curve of SING IMT Surgery
16:58	Mario Toro – SING IMT Retrospective Study: Results at 3 Months
17:05	All - Panel Discussion

17.15-18.00 PEDIATRIC VITREORETINAL SURGERY

Chair: CARL CLAES

17:15	Ehab El Rayes – Management of pediatric retinal detachments in genetic syndrome, tips and tricks
17:22	Philip Ferrone – Stickler syndrome

- 17:32 *Marco Mura* Surgical treatmenty of ischemic vitreolretinopathies
- 17:42 *Carl Claes* Pediatric VR Interface
- 17:52 Discussion

16.30-17.15

CARAVAGGIO ROOM

09.30-10.30 ADVANCED THEORICAL-PRACTICAL COURSE OF IMAGING FOR ORTHOPTISTS: A DVANCES IN TECHNIQUES, DIAGNOSIS AND SHARED MANAGEMENT
OF PATIENTS WITH RETINOPATHIES. PATRONAGE OF: AIOrAO. FNO TSRM-PSTRP

President: CARLA BLENGIO, DANIELA FIORE

Organizators: ROBERTA MATTEI, CHIARA FEDELI, GIORGIO PLACIDI Ophthalmologists: FRANCESCO FARALDI, MARIA CRISTINA SAVASTANO

Moderators: GIULIO PIANA, ERICA SCARICA

Panel: GIORGIO PLACIDI, CARLO PERILLO, ELISA DE SIENA,

ILARIA BIAGINI, MARIANO COZZI



CARAVAGGIO ROOM

9:30	Giorgio Placidi - Pathognomonic ERGs in Inherited Retinal Dystrophies
9:38	Carlo Perillo - Multimodal imaging in every day clinical practice
9:46	Matteo Giarletti - The importance of image quality in clinical practice and in clinical trials
9:54	Discussion
10:00	Elisa De Siena - The academic study course of a Study Coordinator and Clinical Research
	Associate (CRA). My personal experience
10:08	<i>Ilaria Biagini</i> - The Role of the Orthoptist in the coordination of clinical trials
10:16	Mariano Cozzi - Data collection for clinical application and clinical trials
10:24	Discussion

10.30-11.15 MEET THE EXHIBITORS AT THE EXPO AREA

11.15-12.30 SYMPOSIUM POLO NAZIONALE IPOVISIONE. VISION REHABILITATION: IS TODAY THE FUTURE?

Chairs: FILIPPO AMORE, SIMONA TURCO



11:15	Silvio P. Mariotti - Vision Rehabilitation: innovation to overcome barriers and deliver Universal Health Care
11:25	Gianfrancesco Villani - Tele-medicine and Tele-rehabilitation
11:35	Maria Aparecida Onuky Haddad - High-tech devices
11:45	Benedetto Falsini - Non-Invasive Electrical Visual Stimulation
11:55	Valeria Silvestri - Vision Rehabilitation experience after retinal prosthesis implant
12:05	Gianni Virgili - How to measure the effectiveness of vision rehabilitation
12:15	Q&A

12.30-13.15 LUNCH SYMPOSIUM: DIABETIC RETINOPATHY: FROM PATHOPHYSIOLOGY TO TREATMENT

Chairs: FRANCESCO BANDELLO, JOSÉ GARCÍA-ARUMÍ, ANAT LOEWENSTEIN



12:30	Stefano Del Prato - Pathophysiology of Diabetic Retinopathy
12:40	Francesco Boscia - Diabetic Retinopathy as neurovascular disease
12:50	Mariacristina Parravano - Treatment of incipient Diabetic Retinopathy:
	clinical evidence with Citicoline and Vitamin B12 eye drops
13:00	Francesco Bandello - Take home messages
13'10	Discussion

14.40-15.30 ARTIFICIAL INTELLIGENCE: APPLICATION TO DIABETIC RETINOPATHY

Coordinator: EDOARDO MIDENA, PAOLO LANZETTA

14:40	Valentina Sarao - Fundus color photography and artificial intelligence
14:50	Luisa Frizziero - Diabetic macular edema biomarkers and AI: the theory
	Marco Lupidi - Diabetic macular edema biomarkers ans Al: the practice
_	Majda Hadziahmetovic - Al-powered remote screening for diabetic retinopathy: Are we there yet
	Discussion

15.30-17.30 OCULAR ONCOLOGY

Chairs: EMILIO BALESTRAZZI, MARIA ANTONIETTA BLASI, BERTIL DAMATO, EDOARDO MIDENA

15:30	Carol Shields - Uveal melanoma: updated treatment
15:40	Bertil Damato - Pros and Cons of endoresection for uveal melanoma
15.50	Marting Angi - Polymorphic manifestations of ocular metastases from cutaneous

CARAVAGGIO ROOM

15:5/	Carmela Grazia Caputo, Claudia Fossataro - Diagnostic ultrasound imaging in ocular oncology
16:04	Heinrich Heimann - Biopsy of small choroidal tumours: results and complications
16:11	Monica Pagliara - Resolution of exudative retinal detachment after brachytherapy
	treatment for uveal melanoma
16:18	Antonia Joussen - Large Uveal melanoma: a comprehensive approach to maintain eye and vision
16:25	Andrea Scupola - Endoresection: surgical technique, tips and tricks
16:32	Edoardo Midena - Radiation retinopathy: treatment options
16:39	David Sarraf - Advanced OCT Analysis of Biopsy Proven Vitreoretinal Lymphoma
16:46	Chiara Eandi - OCT/OCTA biomarkers for anti-VEGF treatment in radiation maculopathy
16:53	Cinzia Mazzini - Liquid biopsy in uveal melanoma
17:00	Maria Grazia Sammarco - Ultra-wide-field imaging in uveal melanoma
17:07	Marco Pellegrini - OCT-A in ocular oncology
17:14	Discussion

MICHELANGELO ROOM

8.15-10.05 INHERITED RETINAL DISEASES - FREE PAPERS

Discussion

Discussion

9:13

9:15 9:19 9:21

9:25

Chairs: SUBER HUANG, ALEXANDRA MIERE, BART LEROY

	CIIUIIS. SOBER HOANG, ALEXANDRA MIERE, BART LEROT
8:15 8:19	Mayank Bansal - Retinal dystrophies: landscape of genetic mutations in the indian subcontinent Discussion
8:21	Leonardo Bottazzi - Understanding the propensity to undergo genetic testing in patients affected by inherited retinal diseases: a twelve-item questionnaire
8:25	Discussion
8:27	Kwame Baffour-Awuah - Loss of nasal retinal sensitivity may negatively impact ability to read across the etdrs letter chart
8:31	Discussion
8:33	Giovanni Romualdi - Multimodal ultra wide field and retro mode imaging in a benign concentric annular macular dystrophy
8:37	Discussion
8:39	Roberta Rissotto - Spectral-domain optical coherence tomography analysis in syndromic and nonsyndromic forms of retinitis pigmentosa due to ush2a genetic variants
8:43	Discussion
8:45	Clemente Marialodice - Longitudinal study of disease course in patients with x-linked retinitis pigmentosa due to rpgr gene mutations
8:49	Discussion
8:51	<i>Francesca Lamanna</i> - Multimodal imaging characterization of different phenotypes of abca4-related retinopathy
8:55	Discussion
8:57	Lorenzo Bianco - Müller cells in choroideremia: an oct-based quantitative study
9:01	Discussion
9:03	<i>Marco Nassisi</i> - Early ocular phenotype and progression of cobalamin c deficiency: experience of an italian centre.
9:07	Discussion
9:09	Alessandro Arrigo - Characterizing macular edema in retinitis pigmentosa towards quantitative multimodal imaging.

Catherine Favard - Interest of oct-a analysis for the diagnosis of best disease choroidal new-vessels.

Luca Mautone - Diurnal changes of macular anatomy and sensitivity in x-linked juvenile retinoschisis

	MICHELANGELO ROOM
9:27	Alessandro Berni - Macular inner neurodegeneration may predict the response to idebenone
	in patients with Leber's hereditary optic neuropathy
9:31	Discussion
9:33	Borna Šaric - Subretinal gene therapy: surgical pearls
9:37	Discussion Francesco Farinaro - Retinal changes after voretigene neparvovec treatment in children
9:39	with rpe65-related inherited retinal dystrophy
9:43	Discussion
9:45	Rita Ehrlich - Long-term clinical evaluation of retinitis pigmentosa (rp) patients implanted with a novel epiretinal prosthetic device – interim results
9:49	Discussion
9:51	Imran Yusuf - Gene therapy rescues photoreceptor function, morphology and survival in a pre-clinical model of cdhr1-associated retinal degeneration
9:55	Discussion
9:57	Panel Discussion
10.05-	10.30 ARTIFICIAL INTELLIGENCE - FREE PAPERS
	Chairs: GIANNI VIRGILI, URSULA SCHMIDT-ERFURTH
10:05	Cem Kesim - Henle's fiber layer segmentation with deep learning algorithms
10:09	Discussion Custome Male - Deal time diagnosis of diabetic retinanethy by a handhold retinal comerc
10:11	Gustavo Melo - Real-time diagnosis of diabetic retinopathy by a handheld retinal camera, artificial intelligence and simultaneous specialist confirmation: closing the gap Discussion
10:15 10:17	Matteo Airaldi - Deep-learning prediction of geographic atrophy progression: a model-free,
	transformer-based approach to fundus autofluorescence imaging
10:21	Discussion
10:23	Emanuele Crincoli - New artificial intelligence analysis for prediction of long-term visual improvement after epiretinal membrane surgery
10:27	Discussion
10:29	Panel Discussion
11.15-	13.00 VASCULAR RETINAL DISEASES • INFLAMMATORY AND INFECTIOUS DISEASES - FREE PAPERS
	Chairs: BARUCH KUPPERMANN, QUAN DONG NGUYEN, EMANUELA INTERLANDI, LUCA CIMINO
11:15	Federico Giannuzzi - Structural and functional ophthalmological follow-up of a preterm population:
	report at six years of age
11:19	Discussion
11:21	Krivosic Valerie - Anomalies of the retinal capillary plexuses in adult Coats disease on oct angiography
11:25	Discussion
11:27	Pasquale Loiudice - Choroidal vascularity index in central and branch retinal vein occlusion
11:31	Discussion
11:33	Claudio Furino - Auriga 24-month, real-world results from treatment-naïve patients
	with macular edema secondary to rvo treated with intravitreal aflibercept in italy

Marco Pellegrini - Risk of retinal vein occlusion following covid-19 vaccination: a self-controlled case series

Emanuela Interlandi - Intraocular tuberculosis: a challenging case mimicking wet

Discussion

Discussion

Discussion

Discussion

Mahmood Mekkawy - Bilateral macular retinitis

age-related macular degeneration

11:37

11:39

11:43

11:45 11:49

11:51

11:55

MICHELANGELO ROOM

11:57	Maamouri Rym - Swept source oct and swept source oct angiography findings in a case
	of cytomegalovirus retinitis
12:01	Discussion
12:03	<i>Muhammad Hassan</i> - Utilization of automated deep learning approach towards detection of ocular toxoplasmosis using fundus photographs
12:07	Discussion
12:09	Shaikha Aljneibi - Automated quantification of uveitis keratic precipitates by use of sd-oct
12:13	Discussion
12:15	Maria Paola Dolci - Adaptive optics imaging characteristics of varicella zoster virus nodular periarteritis
12:19	Discussion
12:21	Vivian Paraskevi Douglas - The epidemiology and risk factors for the progression of sympathetic ophthalmia in the united states: an IRIS® registry analysis
12:25	Discussion
12:27	Maria Vittoria Cicinelli - Punctate inner choroidopathy/idiopathic multifocal choroiditis-like
12.2/	lesions in unrelated retinal diseases
12:31	Discussion
12:33	Chiara Mapelli - Optical coherence tomography angiography microvascular alterations in patients with juvenile systemic lupus erythematosus
12:37	Discussion
12:39	Roberta Rissotto - Sarcoid uveitis: an intriguing challenger
12:43	Discussion
12:45	Isabel Sendino Tenorio - Of intravenous methylprednisolone in refractory and severe pediatric uveitis
12:49	Discussion
12:51	Panel discussion

14.15-16.21 MACULAR SURGERY - FREE PAPERS

and refractory full thickness macular holes

of large full-thickness macular holes

14:51

14:55

14:57

Discussion

Chairs: TOM WILLIAMSON, ENRICO PEIRETTI, MATTEO CEREDA

14:15	loannis Theocharis - The moving eye. A review of the unifying biomechanical hypothesis on the pathogenesis of macula disorders
14:19	— Discussion
14:21	Tom H Williamson - Digital image warping to measure and correct metamorphopsia in vitreoretinal disorders.
14:25	Discussion
14:27	Roberta Rissotto - Vitreous composition modification after transpalpebral electrical stimulation of the eye: biochemical analysis
14:31	Discussion
14:33	<i>Elena Grossini</i> - Membrane blue dual protects retinal pigment epithelium cells and ganglion cells cultured in both physiologic conditions and in the presence of uvb through the modulation of the mitochondrial function and of the redox balance
14:37	Discussion
14:39	<i>Miroslav Stamenkovic</i> - Foveal avascular zone area changes and oct angiography after 27 g pars plana vitrectomy for idiopathic epiretinal membrane
14:43	Discussion
14:45	Stefano Mercuri - Analysis of supra-rpe granular deposits in full thickness macular holes using adaptive optics imaging
1/1/10	Discussion

Lorenzo Motta - Autologous anterior lens capsule flap and serum transplant in managing idiopathic

Marco Anastasi - Efficacy of autologous pure plasma rich in platelet (p-prp) for the treatment

MICHELANGELO ROOM

15:01	Discussion
15:03	Lorenzo Iuliano - Inverted internal limiting membrane flap for small-sized (<250 micron) full thickness macular hole: anatomical and functional outcome
15:07	Discussion
15:07	Ihab Abdelaziz - Perfluorocarbon liquid-assisted vitreo-dissection in eyes with firmly adherent
15:09	posterior hyaloid
15:13	Discussion
15:15	Matteo Mario Carlà - Treatment of recurrent high myopic macular hole and associated retinal detachment with human amniotic membrane
15:19	Discussion
15:21	Federica Fossataro - Spontaneous closure of full-thickness macular hole after vitrectomy for retinal detachment: evidence of ellipsoid zone restoration
15:25	Discussion
15:27	<i>Heloise Torres-Villaros</i> - Postoperative outcomes of idiopathic epiretinal membrane associated with intraretinal cystoid spaces with or without preoperative leakage on fa
15:31	Discussion
15:33	Bianca Pacini - Surgical management of epiretinal membrane with wide retinal fibrosis secondary to ocular toxoplasmosis: a case report
15:37	Discussion
15:39	Clara Rizzo - A case of cilioretinal artery occlusion: diagnostic procedures
15:43	Discussion
15:45	Raphael Kilian - Refractive error after combined phaco-vitrectomy: a multicentric study
15:49	Discussion
15:51	Silvia Ferrara - Refractive outcome in combined phacovitrectomy: anterior segment oct assessmen and corrective factor for iol power calculation improvement
15:55	Discussion
15:57	Mahmut Dogramaci - Comparative study of commonly used intraocular forceps
16:01	Discussion
16:03	Mohamed El-Ashry - Surgical management for optic disc pit maculopathy - a new approach
16:07	Discussion
16:09	Alessandra Scampoli - Treatment of maculopathy associated with optic disk pit by human amniotic membrane patch: a one-year results
16:13	Discussion
16:15	Luca Landini - Management of recurrent optic disc pit-associated maculopathy with human amniotic membrane graft

SURGICAL TECHNIQUES AND INNOVATIONS - FREE PAPERS 17.15-17.50

Chairs: ASMINA CEHAJIC-KAPETANOVIC, FRANCESCO BARCA, ANDREA GOVETTO

17:15	Ashish Markan - Does the timing of the vitreoretinal surgery impact your surgical performance? -
	A simulator-based study
17:10	Discussion

1/:19

Discussion

16:19

- **Gustavo Huning** Custom 3d digital filters 17:21
- Discussion 17:25
- Jasmina Cehajic-Kapetanovic Robot-assisted subretinal drug delivery: first-in-human study 17:27
- Discussion 17:31
- Paola Sasso Imt-samsara implant: from screening to rehabilitation our preliminary experience 17:33
- 17:37
- Francesco Barca Safety outcomes of 25 and 27-gauge 20000 cuts-per-minute pars plana vitrectomy 17:39
- Discussion 17:43

MICHELANGELO ROOM

- 17:45 **Matteo Ripa** Comparison of pain experience in patients undergoing sub-tenon's anaesthesia versus peribulbar anaesthesia during elective vitreoretinal surgery
- 17:49 Discussion

17.50-18.15 INTRAOCULAR LENSES - FREE PAPERS

Chairs: GIANLUCA BESOZZI, GUSTAVO HUNING, ANDREA SCUPOLA

- 17:50 *Nina Lutsenko* Assessment the morphological state of the posterior capsule in posterior subcapsular cataract using anterior oct
- 17:54 Discussion
- 17:56 *Valentina Folegani* Iol implantation in patients without capsular support: a comparison between yamane's technique and carlevale sutureless scleral fixation iol
- 18:00 Discussion
- 18:02 *Carla Danese* Case series of carlevale iol implantation with modified technique and associated procedures
- 18:06 Discussion
- 18:08 *Gianluca Besozzi* Outcomes of four-points goretex scleral fixation in patients with luxated 1-piece-4-holes iol and low endothelial cell count
- 18:12 Discussion

BERNINI ROOM

10.30-13.10 ORTHOPTIST DRY LAB

Practical Section: Advanced Practical Course of Imaging for Orthoptists (AMD, RP, vitreoretinal interface, diabetic retinopathy and glaucoma)







RAFFAELLO ROOM

10.30-13.10 ORTHOPTIST DRY LAB

Practical Section: Advanced Practical Course of Imaging for Orthoptists (AMD, RP, vitreoretinal interface, diabetic retinopathy and glaucoma)





14.00-18.00 IMAGING LAB

Organizer: EDOARDO MIDENA Coordinator: ELISABETTA PILOTTO

Instructors: LUISA FRIZZIERO, GIULIA MIDENA, TOMMASO TORRESIN

LEONARDO ROOM

09.00-18.15 3D SURGERY WET LAB

Alcon

9.00-11.00 GROUP A

Teachers: ANDREA GOVETTO, MATTEO CEREDA

11.15-13.15 GROUP B

Teachers: MARCO COASSIN, RODOLFO MASTROPASQUA

14.00-16.00 GROUP C

Teachers: UMBERTO LORENZI, MATTEO FORLINI

16.15-18.15 GROUP D

Teachers: LUCA VENTRE, VINCENZO FERRARA





CAVALIERI 2 ROOM

08.30-09.30	WET AMD: IMAGIN	IG

Discussion

8:30

9:20

9:30

Chairs: K. BAILEY FREUND, PHILIP J. ROSENFELD, SOBHA SIVAPRASAD

Enrico Borrelli - Deep learning to quantify clinical features in patients

	with age-related macular degeneration
8:35	Maria Cristina Savastano - Enface advanced imaging in exudative AMD
8:40	Rosa Dolz-Marco - High dynamic range of optical coherence tomography applied to AMD
8:45	Discussion
8:50	Anat Loewenstein - Potential of Home OCT guided treatment of nAMD
8:55	Sandrine Zweifel - Macular neovascularization lesion type and vision outcomes in nv AMD
9:00	Discussion
9:05	K. Bailey Freund - Clinicopathologic Correlations of Type 3 MNV
9:10	Chiara Eandi - Early OCTA changes of Type3 macular neovascularization following brolucizumab
	intravitreal injections
9:15	Sobha Sivaprasad - Quantitative autofluorescence in AMD

WET AMD: PATHOGENETIC INSIGHTS 09.30-10.30

Chairs: LAWRENCE YANNUZZI, SRINIVAS SADDA, CHRISTINE A. CURCIO

9:35	Richard Spaide - Inflammatory Cell Activity in Neovascular Age-Related Macular Degeneration
9:40	Discussion
9:45	Rufino Silva - Rare variants in CFH and phenotypic implications in Age-related Macular
	Degeneration in the Coimbra Eye Study
9:50	Daniel Pauleikhoff - Is MNV in nAMD a positive biological response?
	Analysis of long-term anti-VEGF-therapy
9:55	Quan Dong Nguyen - Inflammation in Retinal Vascular Diseases: The Role of IL-6 in Neovascular AMD
10:00	Discussion
10:05	Amani Fawzi - 3D imaging of neovascular lesions in AMD: 3D lesion complexity
	on OCTA and its implications
10:10	<i>Srinivas Sadda</i> - OCT risk factors for progression to neovascular AMD
10:15	Sobha Sivaprasad - Dark adaptation in AMD
10:20	Discussion

Baruch Kuppermann - The Role of Mitochondrial Genetics in Age Related Macular Degeneration

BREAKFAST SYMPOSIUM: Aflibercept: a game changer 10.30-11.15 in the past, present and future of retinal diseases

Moderators: ROSANGELA LATTANZIO, EDOARDO MIDENA

Moderators - Opening remarks 10:30

10:32 Enrico Borrelli - How aflibercept changed our clinical practice

10:42

Edoardo Midena - Retinal diseases revisited after 10 years 10:46

10:56 Discussion





CAVALIERI 2 ROOM

11:00	Monica Zurria - Bayer in Ophthalmology: A vision for the future
11:10	Discussion and Conclusions

WET AMD: TREATMENT 11.15-12.15

Chairs: FRANCESCO BANDELLO, JEAN-FRANCOIS KOROBELNIK, DANIEL PAULEIKHOFF, FEDERICO RICCI

- Daniel Pauleikhoff Remodelling and growth of MNV under long-term anti-VEGF-therapy -11:15 a repair mechanism?
- Francesco Boscia Observe and plan regimen of anti-vegf injections for wet AMD 11:20
- Francesco Viola Two years real-life treatment outcomes of Polypoidal Choroidal Vasculopathy 11:25 versus Type 1 Macular Neovascularization in Caucasians. Fight Retinal Blindness! Italian registry
- Discussion 11:30
- Usha Chakravarthy Incidence of Fibrosis and Atrophy on SD OCT in treated neovascular 11:35 AMD and associations with visual acuity: 7 year findings from the IVAN trial
- Alessandro Invernizzi Brolucizumab real world data: FRB! Register 11:40
- Alfredo Pece Retina Group Project: personal experience on a large cohort of patients treated 11:45 with Brolucizumab
- Discussion 11:50
- Angelo Minnella Update on future treatments: Aflibercept 8 mg 11:55
- 12:00 Jean-Francois Korobelnik - Biosimilars in wet AMD: why to use or not use them?
- 12:05 **Sebastian Wolf** - My experience after 15 years of anti-VEGF use
- Discussion 12:10

WET AMD: NEW HORIZONS Under the Patronage of ASRS 12.15-13.30 Chairs: CARL AWH, PHILIP FERRONE, CARL D. REGILLO



- Carl Awh Overview of Emerging Treatments for Neovascular AMD 12:15
- Aleksandra Rachitskaya Update on Port Delivery System 12:24
- Philip Ferrone 2 Year Results of Faricimab in Neovascular AMD from the Tenaya/Lucerne Studies 12:33
- Susan Bressler Anti-VEGF Biosimilars and Biologics: Similarities and Differences 12:42
- TBD Gene therapy for wet AMD, presenting the interim results of RegenxBio trials 12:51
- Carl D. Regillo EYP-1901 DAVIO Phase 1: 12 month study results for nAMD 13:00
- Caroline Baumal New approach in wet-AMD treatment: Efficacy and safety of dual inhibition 13:09 of VEGF-C/-D and VEGF-A with OPT-302 combination therapy
- 13:18 Discussion

LUNCH SYMPOSIUM 13.30-14.15

Moderators: STANISLAO RIZZO, FRANCESCA SIMONELLI



- Massimo Nicoló The importance of keeping the retina dry 13:30
 - Brolucizumab's two years clinical experience
- Francesco Boscia Gemelli Polyclinic of Rome and Bari Polyclinic pooled analysis 13:35
- Michele Reibaldi Le Molinette Clinic in Turin 13:40 Patient stories from clinic to surgery
 - Leonardo Colombo Experience of the San Paolo Hospital team, Milan
- 13:45 Vittoria Murro - Experience of the AOU Careggi team, Florence 13:50



CAVALIERI 2 ROOM

Gene therapy	/ with Voretige	ene Neparvove	ec: long-term	results

- 13:55 Francesco Testa Perspective of the clinician
- 14:00 *Michele Della Corte* Perspective of the vitreoretinal surgeon
- 14:05 Discussion

14.15-15.15 SPONSORED SESSION - VISIONS OF FUTURE BY INDUSTRY SENIOR EXECUTIVES

1 1:1 [Dogar Langa	\/icionc	of Future - Alcon	
14:15	- Koaer Lobez -	· VISIONS	of Future - Alcon	

- 14:22 Lorenzo Santini The Making of a Visionary Industry Leader Bausch&Lomb
- 14:29 *Christopher Mody* Uncovering more insights with richer image detail and improved clinical workflow Heidelberg
- 14:36 Adel Bencheikh Canon Medical Beyond Ophthalmology Canon
- 14:43 Robert Gibson Driving Discovery: Research and Innovation in retinal imaging ZEISS
- 14:50 Bruno Lumbroso, Emanuele Lanterna TOWARD PI TECHNOLOGY
- 14:57 Arkadiusz Chalecki Upcoming OCT standards Optopol
- 15:04 **Dhaval Desai** IVERICBIO

15.15-16.30 DRY AMD 1: IMAGING

Chairs: FRANK HOLZ, GIUSEPPE QUERQUES

- 15:15 **Philip J. Rosenfeld** Predicting low luminance visual acuity deficits based on central foveal SS-OCTA imaging in nonexudative AMD
- 15:21 *Eric Moult* Image-Driven Modeling for Understanding Geographic Atrophy Growth
- 15:27 *Giuseppe Querques* Sub-retinal pigment epithelium tubules in non-neovascular age-related macular degeneration
- 15:33 Discussion
- 15:38 Christine A. Curcio Neuroanatomy links rod-mediated dark adaptation and drusen biology in AMD
- 15:44 Riccardo Sacconi Choroidal changes in non-exudative age-related macular degeneration
- 15:50 Frank Holz Photoreceptor degeneration as OCT-imaging biomarker in dry AMD: an Al-based analysis
- 15:56 Discussion
- 16:01 Daniele Veritti Incident Geographic Atrophy in Wet Age-related Macular Degeneration
- 16:07 *Philip J. Rosenfeld* The onset and progression of persistent choroidal hypertransmission defects: A novel clinical trial endpoint for studying intermediate AMD
- 16:13 André Romano Virtual Reality Microperimetry New Era of Funcional Retinal Assessment
- 16:19 *Ursula Schmidt-Erfurth* Conversion from intermediate to advanced AMD: First events in the PINNACLE study
- 16:25 Discussion

16.30-17.15 AFTERNOON SYMPOSIUM GEOGRAPHIC ATROPHY: ARE WE ENTERING A NEW ERA?



- 16:30 **Stela Vujosevic** Welcome and introduction
- 16:40 Caroline Baumal Recent Phase 3 clinical trial results: Where do we stand today?
- 16:55 Usha Chakravarthy Morphology and function: Convergence and divergence in Geographic Atrophy
- 17:05 **All** Panel discussion
- 17:15 **Stela Vujosevic** Close

CAVALIERI 2 ROOM

17.15-18.30 DRY AMD 2: TREATMENT

Chairs: LYNDON DA CRUZ, AMIR H. KASHANI, STEVEN D. SCHWARTZ

- 17:15 Frank Holz Emerging treatments for geographic atrophy due to age-related macular degeneration
- 17:22 **Jean-Francois Korobelnik** Potential challenges with the treatment of geographic atrophy
- 17:29 *Ursula Schmidt-Erfurth* Effects of complement inhibition on geographic atrophy: OCT-analysis of phase III pegcetacoplan trials
- 17:36 Carl D. Regillo Gather2 avacincaptad 12 month study results
- 17:43 Discussion
- 17:52 **Steven D. Schwartz** Submacular surgery for gene and cell therapy
- 17:59 **Steve Charles** Cell based therapy for geographic atrophy
- 18:06 Lyndon Da Cruz Cellular therapy treating the untreatable in retina.
- 18:13 Amir H. Kashani Induced Pluripotent Stem Cell-Derived RPE for Treatment of Advanced Dry Age Related Macular Degeneration: Early Pilot Studies
- 18:20 Discussion

CAVALIERI 1 ROOM

08.00-12.45 LIVE SURGERY

Moderators from operatory theatre: STEVE CHARLES, DONALD J. D'AMICO, CLAUS ECKARDT , GAURAV K. SHAH

Moderators from Auditorium: CLAUDIO AZZOLINI, FRANCESCO BARCA, FABIO FIORMONTE, TAMER MAHMOUD, CARL D. REGILLO, TOM WILLIAMSON, LEJLA VAJZOVIC, STEFANO DE CILLÀ

SURGEONS

Rome: MATTEO CEREDA, JOSÉ GARCÍA-ARUMÍ, CESARE MARIOTTI, LUIGI CARETTI, CARL CLAES, RODOLFO MASTROPASQUA, MARCO PILERI, TOMMASO ROSSI, MARIO ROMANO, ERNESTO BALI, ALFONSO SAVASTANO, KHALID AL-SABTI, EHAB EL RAYES, TOMASO CAPOROSSI

Paris: GEORGES CAPUTO Tel Aviv: ADIEL BARAK

12.45-13.30 RETINAWS

President: KOUROUS A. REZAEI

Chairs: J. FERNANDO AREVALO, DANIELE TOGNETTO, ALEKSANDRA RACHITSKAYA, ERNESTO BALI, ANAT LOEWENSTEIN, EHAB EL RAYES, VINCENZO FERRARA, FABIO PATELLI, PAULO STANGA, PETER SZURMAN

13.30-14.15 LUNCH SYMPOSIUM: SUPRACHOROIDAL DELIVERY

FOR OCULAR THERAPEUTICS: CORTICOSTEROID AND BEYOND

Course Director: QUAN DONG NGUYEN

BAUSCH+LOMB

- 13:30 *Quan Dong Nguyen* Introduction to the Course: Goals and Objectives
- 13:33 Marc De Smet Suprachoroidal Delivery: A New Approach for Ocular Therapeutics
- 13:39 Christopher Or Suprachoroidal Triamcinolone Acetonide for Non-infectious -Associated Macular Edema
- 13:45 Aniruddha Agarwal Treatment of Macular Edema Due to Noninfectious Uveitis: Beyond Corticosteroids
- 13:50 *Diana V. Do* Suprachoroidal Triamcinolone in Noninfectious Uveitis: Case Presentations and Discussion
- 14:00 *Quan Dong Nguyen* Practical Experience: Introduction

CAVALIERI 1 ROOM

14.15-15.15 SURGICAL INNOVATIONS - *Under the Patronage of RWC Chairs: TAREK HASSAN, KOUROUS A. REZAEI, STANISLAO RIZZO*



- 14:15 Lyndon Da Cruz Robotics in retinal surgery. New innovations and potential
- 14:21 *Virgilio Morales Cantòn* New instrumentation in diabetic vitrectomies
- 14:27 *Tarek Hassan* A New Frontier for Safe Surgical Instrumentation: Non-sticky Intraocular Instruments
- 14:33 Discussion
- 14:39 Albert Augustin Vitrectomy following implantation the Samsara Telescope
- 14:45 **Robert Maclaren** Surgical pearls for the administration of Voretigene Neparvovec and other gene therapies for retinal disease
- 14:51 Ehab El Rayes A novel delivery system for Drug, Gene and stem cell therapy via suprachoroidal approach
- 14:57 Marc De Smet Visualization and monitoring of drug deposits after suprachoroidal cannulation
- 15:03 *Paulo Stanga* Limited Vitrectomy for Vitreous Opacities and Vision Degrading Myodesopsia: New Imaging and Functional Testing with Surgical Results
- 15:09 Discussion

15.15-16.30 ERM-LMH - *Under the Patronage of GIVRE Chairs: CESARE MARIOTTI, MARCO ANDREA PILERI*



- 15:15 **Rodolfo Mastropasqua** Choroidal vascularity index changes in vitreomacular surgery: comparison between idiopathic and diabetic epiretinal membrane
- 15:20 Mario Romano Intraretinal changes and displacement: biomarker in macular tractional disease
- 15:25 *Francesco Faraldi* Swept-source OCT reduces the risk of axial length measurement errors in eyes with cataract and epiretinal membranes
- 15:30 Discussion
- 15:35 *Tom Williamson* Measurement of metamorphopsia with image warping allows correction of digital sight in surgical retinal disease
- 15:40 Marta Figueroa New international classifications of lamellar macular holes and surgical outcomes
- 15:45 Ricarda G. Schumann New Insights From Lamellar Macular Holes With Epiretinal Proliferation
- 15:50 *Ferdinando Bottoni* Lamellar macular hole: are there new possibilities to detect the loss of foveal tissue?
- 15:55 Discussion
- 16:00 *Michele Reibaldi* Vitrectomy with highly concentrated autologous platelet-rich plasma in degenerative lamellar macular hole: a prospective trial
- 16:05 Marco Coassin Surgical outcomes of tractional vs degenerative lamellar macular holes
- 16:10 *Andrea Govetto* Centripetal versus conventional peeling in epiretinal membranes: early postoperative OCT signs of foveal mechanical stress
- 16:15 Tamer Mahmoud Membrane peel and release in macular holes and epiretinal membranes
- 16:20 *Cesare Mariotti* Transcongiuntival nonvitrectomizing macular surgery in patients with epiretinal membrane: Ten years follow up a Prospective Randomized Study
- 16:25 Discussion

16.30-17.20 3D SESSION

Chairs: VIRGILIO MORALES CANTON, STEVE CHARLES, DAVID CHOW, CARL CLAES, CLAUS ECKARDT, ANAT LOEWENSTEIN, ROGER LOPEZ

- 16:30 Adria Valls Alcon Ngenuity 3D system
- 16:35 **David Chow** Maximizing Performance of 3D surgery systems
- 16:40 Benedikt Wurm Bausch+Lomb & Heidelberg Engineering: Fully-digital Surgical Visualization Platform
- 16:45 **Segev Eran** Beyeonics' 3D system
- 16:50 Anat Loewenstein Innovative Beyeonics' helmet system, based on pilot head mount display PPV ERM peeling surgeries results

CAVALIERI 1 ROOM

16:55	Frank Deubel - Zeiss Artevo 3D system
17:00	Marco Mura - My experience with 3D visualization: advantages and disadvantages
17:05	Lejla Vajzovic - Update on 3D surgical visualization systems and Intraoperative OCT
17:10	Carlo La Spina, Claudio Panico - Heads up 3D surgery. Safety outcomes and technological review
	after 2 years of day-to-day use

17.20-18.35 SURGERY: FIX THAT RETINA

Discussion

17.15

9:15

10:18

Chairs: DAVID CHOW, KOUROUS A. REZAEI

Team Gladiators:

LEJLA VAJZOVIC, LUIGI CARETTI, KAZUAKI KADONOSONO

Team Spartans:

CARL CLAES, STRATOS GOTZARIDIS, VIRGILIO MORALES CANTON

Team Immortals:

GRAZIA PERTILE, YUSUKE OSHIMA, JAY CHHABLANI

BELLE ARTI ROOM

08.30-09.15 SYSTEMATIC INTERPRETATION OF OCT

Chair: SRINIVAS SADDA

8:30	<i>Srinivas Sadda</i> - Strategies for acquiring and viewing OCT images
8:45	Enrico Borrelli - My approach to the basic interpretation of OCT
9:00	David Sarraf - New signs on OCT images that you should not miss

09.15-10.30 IMAGING: EVOLVING TECHNIQUES

Chairs: JOSEPH CARROLL, USHA CHAKRAVARTHY

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9:21	Richard Rosen - Stalking the Wild Hyalocyte: EnFace OCT and Adaptive Optics Insights into
	the CellularDynamics and Morphology in Vitreous Cortex Macrophages in the Living Eye
9:31	Marco Lupidi - Microstructural assessment of retinal structure and perfusion
	with variable A-scan rate Spectralis OCT
9:37	Usha Chakravarthy - Agreement between the double layer sign on SD OCT and detection
	of vascular complexes on OCTA
9:43	Joseph Carroll - Structure-function correlations using AOSLO techniques
9:49	Discussion
10:00	Michael Pircher - Polarization sensitive optical coherence tomography and its clinical applications
10:06	Richard Spaide - Improved Imaging the Vitreous with Boosted Optical Coherence Tomography
10:12	Daniela Bacherini - Peripheral ultra-widefield OCT in peripheral retinal degenerations

Mario Romano - Advanced data integration and analyses: clinical applications

10.30-11.15 BREAKFAST SYMPOSIUM: CHANGING PATIENT MANAGEMENT USING WIDE FIELD OCT: CASE STUDIES



10'20	Ali Ergina	/ - Retina	ac coon	hv Xan	hilin

Discussion

10:40 *Prithvi Ramtohul* - En face Ultrawidefield OCT of the vortex vein system in central serous chorioretinopathy

10:50 Andrea Govetto - Morphological analysis of rhegmatogenous retinal pathology and peripheral vitreoretinal interface abnormalities by means of wide-field OCT: insight on pathophysiology and clinical relevance

11:00 Barbara Parolini - Advantages of widefield imaging in the follow-up of difficult surgical cases

BELLE ARTI ROOM

11.15-12.15	DEDIATO	C RETINA
11.15-12.15	PEDIAIRI	CRETINA

Chairs: MARY ELIZABETH HARTNETT, DOMENICO LEPORE, DARIUS M. MOSHFEGHI

11.15	Mary Elizabeth Harthett - Molecular basis of to restore normal vascular development
11:21	Discussion
11:24	Domenico Lepore - Beyond the future The new ICROP

Suber Huang - Beyond AI - Human-Centered Computing in Ophthalmology

Discussion 11:30

Giulia Amorelli - New imaging technique in pediatric ophthalmology 11:33

11:39

Darius M. Moshfeghi - Optimization of ROP treatment technique 11:42

11:48 Discussion

11:51 Peter Campbell - Al in pediatric retina

Discussion 11:57

12:15

13:13

13:19

13:30

13.30-14.15

Carl Claes - Neonatal vitreoretinal interface 12:00

12:06 Discussion Closing remarks 12:09

12.15-13.30 **ARTIFICIAL INTELLIGENCE**

Chairs: DARIUS M. MOSHFEGHI, MARION MUNK, RAMIN TADAYONI, SEBASTIAN WOLF

12:21	Carol Cheung - Deep Learning for Diabetic Retinal Disease: What is new?
12:27	Sebastian Wolf - Prediction of anti-VEGF treatment demand using machine learning and Al
12:33	Marion Munk - Machine learning to predict development of macular atrophy in patients with nAMD
12:39	Discussion
12:49	Roy Schwartz - Insights on reticular pseudodrusen using Al
12:55	Kazuaki Kadonosono - Surgical images enhanced with Al
13:01	Maria Cristina Savastano, Emanuele Crincoli - Al in vitreoretinal interface disorders
13:07	<i>Tom Williamson</i> - Artificial intelligence in the identification of risk factors for failed
	rhegmatogenous retinal detachment surgery
13:13	Ramin Tadayoni - A pragmatic assessment of uses and impacts of Al in our practice

Discussion

LUNCH SYMPOSIUM: State of the Art Gene Therapy Symposium

Bart Leroy - Gene Therapy for Inherited Retinal Diseases (IRD)

Chair: PETER KAISER



13:36	Robert Maclaren - Surgical Considerations for Gene Therapy
13:42	Nadia Waheed - Gene Therapy for Atrophic AMD
13:48	Discussion
13:52	Lejla Vajzovic - Suprachoroidal and subretinal Gene Therapy Strategies for retinal vascular diseases
13:58	Peter Kaiser - Intravitreal Gene Therapy for retinal vascular diseases
14:04	Francine Behar Cohen - Non-viral gene therapy for the treatment of retinal diseases
14:10	Discussion

VISION ACADEMY SYMPOSIUM: THINGS ABOUT ANTI-VEGF 14.15-15.15 INJECTIONS THAT WE USUALLY DON'T TALK ABOUT

Chairs: FRANCESCO BANDELLO, ANAT LOEWENSTEIN

BELLE ARTIROOM

14:15	Ian Pearce - Introduction to the Vision Academy
14:20	Francesco Bandello - Impact of anti-VEGF on IOP and optic nerve
14:30	Anat Loewenstein - Non-adherence or non-persistence to intravitreal injection therapy
	for neovascular age-related macular degeneration
14:40	Q&A

SUSPENDING TREATMENT PANEL DEBATE

Adnan Tufail - Myopia-associated CNV

Moderator: IAN PEARCE

Panel: FRANCESCO BANDELLO, ANAT LOEWENSTEIN, SEBASTIAN WOLF, DAVID WONG

14:45	David Wong - Suspending anti-VEGF treatment in cases of futility
14:55	Sebastian Wolf - Suspending anti-VEGF treatment in case of success
15:05	All - Discussion and Q&A

15.15-16.30 MYOPIA

15:15

Chairs: TERESIO AVITABILE, BARBARA PAROLINI, ADNAN TUFAIL

15:21	Idmer Manmoud - How to measure myopic macular noles? Inaccuracy and implications
15:27	José Maria Ruiz Moreno - Study of dilated choroidal veins and their influence in choroidal
	neovascularization in highly myopic eyes by OCTA.
15:33	Discussion
15:38	<i>Teresio Avitabile</i> - Morphological parameters of myopic choroidal neovascularization as predictive factors of anti-VEGF treatment response
15:44	Darius M. Moshfeghi - Myopia Spectrum Disorder and Variation of Findings Within Different Phenotypes
15:50	Giacomo Panozzo - Surgery for Myopic Traction Maculopathy: when and how.
15:56	Discussion
16:01	<i>Ugo Introini</i> - Anti-VEGF treatment of myopic macular neovascularization: long-term visual outcome and related risk factors
16:07	<i>Khalid Al Sabti</i> - How to Overcome Surgical Challenges in Myopic Macular Holes with Very Long Axial lengths
16:13	Kazuaki Kadonosono - A new surgical technique for myopic traction maculopathy
16:19	Barbara Parolini, Veronika Matello, Matteo Ripa, Lorenzo Motta, Rino Frisina - Long term results of macular buckle for MTM stage 3a,b and Stage 4a,b
16:25	Discussion

16.30-17.30 UVEITIS SYMPOSIUM: THE ARTS OF DIAGNOSING AND MANAGING POSTERIOR UVEITIS SESSION 1: POTPOURRI OF UVEITIC ENTITIES

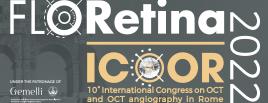
Moderator: QUAN DONG NGUYEN

Panel: LUCA CIMINO, HASSAN AL-DIBHI, CHRISTOPHER OR

16:30 16:37	Antonio Ciardella - Bilateral Acute Retinal Necrosis (BARN) during the Coronavirus Pandemic Wataru Matsumiya - Many Faces of Uveitis in the Era of COVID and COVID Vaccination
16:44	<i>Hassan AlDibhi</i> - Diagnostic Pars Plana Vitrectomy in Uveitic Masquerading Syndromes
16:51	Maria Vittoria Cicinelli - Efficacy of 0.19 mg Fluocinolone Acetonide Implant in Non-infectious
	Posterior Uveitis
16:58	Jeffrey L. Goldberg - New Insights into Inflammatory Glaucoma
17:05	Aniruddha Agarwal - Managing Mycobacterium tuberculosis Chorioretinitis
17:12	Panel Discussion: Best Approaches in Managing Uveitic Macular Edema



18:12



SATURDAY DECEMBER 10

BELLE ARTI ROOM

17.30-18.30 UVEITIS SYMPOSIUM: THE ARTS OF DIAGNOSING AND MANAGING POSTERIOR UVEITIS SESSION 2: CLINICAL PEARLS IN THE DIAGNOSIS OF UVEITIS

Moderator: QUAN DONG NGUYEN

Panel Discussion: Challenging Cases in Uveitis

Panel: ANIRUDDHA AGARWAL, ANTONIO CIARDELLA

1/:30	Luca Cimino - The Usefulness of Aqueous Humor Analysis in Overtis
17:37	Marion Munk - Choriocapillaris and Choroidal Metrics in Posterior Uveitis
17:44	Yasir J. Sepah - Imaging Markers in Autoimmune Retinopathy
17:51	Theodore Leng - Machine Learning in Retina: A Case with Diabetic Retinopathy
17:58	Murat Hasanreisoglu - Machine Learning in Uveitis: A Case with Ocular Toxoplasmosis
18:05	Christopher Or - Applying Electroretinographic Evaluation in the Diagnosis and Management of Uveitis

ELLISSE ROOM

08.30-09.30 INTRODUCTION AND PRACTICAL COURSE IN USING AN AUTOMATED AI-BASED FLUID MONITOR IN CLINICAL ROUTINE

Coordinator: URSULA SCHMIDT-ERFURTH

Instructors: PAOLO LANZETTA, DORUK OKCUOGLU, GREGOR REITER,

AMIR SADHEGIPOUR, URSULA SCHMIDT-ERFURTH

8:30	Jennifer Arnold - Fluid management in the FRB real world registry
8:40	Daniel Barthelmes - Fluid monitor in the FRB real world registry
8:50	Paolo Lanzetta - A hands-on lecture on automated fluid monitor
9:00	Doruk Okcuoglu - The technology behind the tool
9:10	Gregor Reiter - Al in prospective use
9:20	Amir Sadeghipour - What is coming next!

09.30-10.30 THE HENLE FIBER LAYER AND ITS RELEVANCE TO IMAGING MACULAR DISEASE

Coordinator: K. BAILEY FREUND

Chairs: K. BAILEY FREUND, DAVID SARRAF

9:30	Christine A. Curcio - Neuroanatomy of the Henle Fiber Layer (HFL)
9:40	Prithvi Ramtohul - The OCT Angular Sign of HFL Hyperreflectivity (ASHH)
9:50	David Sarraf - PAMM and AMN: Is the HFL The Missing Link?
10:00	K. Bailey Freund - HFL: New Findings from High-Resolution OCT
10:10	Caroline Baumal - HFL hemorrhage: clinical features and pathogenesis
10:20	Discussion

10.30-11.15 BREAKFAST SYMPOSIUM: RECENT ADVANCES IN MULTIMODAL IMAGING AND ARTIFICIAL INTELLIGENCE IN OPHTHALMOLOGY



10:30 *Srinivas Sadda* - Artificial Intelligence in Ophthalmology: Deep Learning Assessment of Ultra-Widefield Retinal Imaging



- 10:40 *Paulo Stanga* Multi Wavelength Ultra Widefield Imaging with Integrated Navigated SS-OCT in the Retina Clinic: Real Life Benefits
- 10:50 *Giuseppe Querques* Analysis of peripheral retina visualization, acquisition time, and image chromaticity on UWF

ELLISSE ROOM

11:00	Luca Cimino - Ultra Widefield imaging in uveitis
	D'a a a a a a a a a a a a a a a a a a a

11:10 Discussion

11.15-12.15 ACQUIRED VITELLIFORM LESIONS: ETIOLOGIES AND PATHWAYS

Coordinator: DAVID SARRAF

11:15	David Sarraf - Vitelliform Lesions: One Pathway Unifies Many Etiologies
11:19	<i>Srinivas Sadda</i> - Vitelliform Lesions in AMD
11:27	Giuseppe Querques - Vitelliform Lesions Associated with Leptochoroid and Pseudodrusen
11:35	David Sarraf - Vitelliform Lesions Associated with Pachychoroid and Pachyvitelliform Maculopathy
11:39	Elodie Bousquet - Vitelliform Lesions Caused by Traction Maculopathy
11:47	Claudio Iovino - Vitelliform Lesions Caused by Toxic Medications
11:55	K. Bailey Freund - Vitelliform Lesions: Findings from High-Resolution OCT
12:03	Christine A. Curcio - Acquired vitelliform lesions: insights from new histopathology

12.15-13.30 IS MNV IN nAMD A PHYSIOLOGICAL REPAIR MECHANISM WITH PATHOLOGICAL OUTCOME?

Coordinator: DANIEL PAULEIKHOFF Co-Chair: RICHARD SPAIDE

12:15	Christine A. Curcio - Nonexudative MNV supporting Outer Retina in Age-Related Macular Degeneration:
	A Clinicopathologic Correlation
_	

12:26 Giuseppe Querques - Quiescent MNV in nAMD

12:37 Discussion

Discussion

12:03 12:11

- 12:47 *Srinivas Sadda* OCTA characteristics of type 1 MNV in nAMD under anti-VEGF therapy supporting aspects for the outer retina?
- 12:58 **Daniel Pauleikhoff** Continuous growth of MNV under longterm anti-VEGF therapy characteristics and clinical implications
- 13:09 Richard Spaide New techniques and predictive aspects of inflammatory cell mapping in nAMD

13:20 Discussion

13.30-14.15 LUNCH SYMPOSIUM

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13:30	Alessandro Invernizzi - High-Res OCT imaging in Vascular Diseases
13:45	<i>Srinivas Sadda</i> - High-Res OCT imaging of biomarkers of Dry AMD
14:00	K. Bailey Freund - New Imaging Findings from High-Res OCT

14.15-15.15 NEW INSIGHTS INTO AGE-RELATED CHORIO-RETINAL DEGENERATION

Chairs: MARIACRISTINA PARRAVANO, GIUSEPPE QUERQUES, RICCARDO SACCONI

- 14:15 *Riccardo Sacconi* Treatment-naive quiescent vs non-exudative MNVs
- 14:23 David Sarraf Exudation Vs Transudation
- 14:31 *Mariacristina Parravano* Basal laminar deposits: a common finding in foveal-sparing reticular pseudodrusen
- 14:39 *Srinivas Sadda* The aging choroid
- 14:47 Giuseppe Querques Subclinical age-related angioid streaks with pseudodrusen
- 14:55 *Serena Fragiotta* Analysis of precursors for GA development and progression a novel OCT based phenotype classification
- 15:03 Discussion

ELLISSE ROOM

15.15-16.30	IVEG COURSE CONTROVERSIES ON INTRAVITREAL THERAPIES
	Chairs: BARUCH KUPPERMANN, PAOLO LANZETTA, ANAT LOEWENSTEIN

15:15	Paolo Lanzetta - An introduction to the Intravitreal Expert Group - IVEG
15:20	Anat Loewenstein - The pros and cons of bilateral same-day treatment
15:28	Discussion
15:34	Daniele Veritti - The ideal setting: office, ambulatory surgery room or OR?
15:42	Discussion
15:48	Sobha Sivaprasad - Is it time to delegate certified nurses?
15:56	Discussion

Baruch Kuppermann - When OCT angiography shows non-exudative MNV and OCT does not 16:02 reveal any fluid anti-VEGF treatment should be administered. Why yes, why not

16:10 Discussion

Valentina Sarao - Will intravitreal injections remain the gold standard? 16:16

16:24 Discussion

CHOROID 16.30-17.15

Chairs: ALAIN GAUDRIC, JOSÉ MARIA RUIZ MORENO, RICHARD SPAIDE

16:30	K. Bailey Freund - Pachychoroid Disease: Patterns of Choroidal Venous Insufficiency
	Revealed with WF SS-OCT and UWF ICGA
16:35	Alain Gaudric - Choroidal veins topography on ultra wide field OCT/OCTA in healthy subjects
16:40	José Maria Ruiz Moreno - Choroidal vascularity index as biomarker vs. choroidal thickness
	in acute central serous chorioretinopathy
16:45	Adnan Tufail - Macular Curvature and Dome-Shaped Macular Configuration associations
16:50	Francine Behar Cohen - Corticoids and Central serous chorioretinopathy: a complex link
16:55	Jay Chhablani - Central Serous Chorioretinopathy - learning from recent imaging
17:00	Giuseppe Querques - No-Dose PDT for Central Serous Chorioretinopathy

17:05 Discussion

Discussion

18:03

AUTOFLUORESCENCE COURSE ("FLUORETINA") 17.15-18.15

Chair: MARCO PELLEGRINI, ALESSANDRO INVERNIZZI

17:15	Alessandro Invernizzi - What fluoresce in the fundus
17:23	Elisabetta Pilotto - Near infrared autofluorescence
17:31	Mariano Cozzi - Quantitative autoflouorescence and Color autofluorescence
17:39	Sandrine Zweifel - The clinical use of autofluorescence 1
17:47	Marco Pellegrini - The clinical use of autofluorescence 2
17:55	Alessandro Invernizzi - The clinical use of autofluorescence 3

CARAVAGGIO ROOM

HAND-ON PRACTICE WITH SUPRACHOROIDAL MICROINJECTORS ON HUMAN-LIKE 14.15-15.15 **EYE MODELS**

Chair: QUAN DONG NGUYEN

CARAVAGGIO ROOM

15.15-16.00 INSTRUCTIONAL COURSE: PROLIFERATIVE VITREORETINOPATHY, SURGICAL MANAGEMENT AND IMPROVED TECHNIQUES

Chair: JOSÉ GARCÍA-ARUMÍ

15:15 Jos	e Garcia	Arumı -	Introduction
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- 15:18 Ehab El Rayes Vitreomacular interface epiretinal membranes management
- 15:28 *Thomas Wolfensberger* Retinotomy-Retinectomy in PVR. When and how?
- 15:38 José García-Arumí Membrane peeling: staining and PFCL. Viscodissection in closed funnel
- 15:48 **Stanislao Rizzo** Endotamponades in PVR
- 15:58 All Discussion

16.00-17.10 VIDEO SESSION - FREE PAPERS

Chairs: FABIO PATELLI, MATTEO FORLINI

- 16:00 *Alberto La Mantia* Modified perfluorocarbon liquid/internal limiting membrane interface staining in myopic macular hole retinal detachment
- 16:03 Discussion
- 16:05 Maurizio Postorino Innovative intrascleral fixation technique for iol dislocations in cv
- 16:08 Discussion
- 16:10 **Paolo Chelini** Surgical treatment in globe ruptures
- 16:13 Discussion
- 16:15 *Malek Yassine* Endoillumination assisted phacoaspiration with transcapsular iris shelf technique for extraction of an intra ocular foreign body
- 16:18 Discussion
- 16:20 Kanmin Xue Treating postoperative hypotony by ciliary body membrane removal
- 16:23 Discussion
- 16:25 Mayank Bansal Subretinal injections in challenging cases of subretinal hemorrhage
- 16:28 Discussion
- 16:30 Mohammad Alhazzazi PPV for dropped capsular tension ring followed by scleral fixated IOL in Marfan girl
- 16:33 Discussion
- 16:35 *Mayank Bansal* Myopic traction maculopathy with ectopia lentis: ilm peel and sfiol
- 16:38 Discussion
- 16:40 Adel AlAkeely Macular hole related retinal detachment in persistent fetal vasculature
- 16:43 Discussion
- 16:45 *Amândio Rocha-Sousa* Yamane iol scleral fixation in a microphthalmic eye with persistent fetal vasculature and iris hypoplasia
- 16:48 Discussion
- 16:50 *Amanda le* Surgical management of subfoveal hard exudates and serous retinal detachment in a patient with familial exudative vitreoretinopathy (fevr)
- 16:53 Discussion
- 16:55 Ana Filipa Moleiro, Amândio Rocha-Sousa How to approach subretinal fluid? a challenging surgical case
- 16:58 Discussion
- 17:00 Ana Maria Varosanec Another obscure optic disc anomaly?
- 17:03 Discussion
- 17:05 Giulio Salerno Box-carring of the blood column in retinal artery occlusion: a video case report
- 17:08 Discussion

MICHELANGELO ROOM

8.15-10.30	DIABETIC RETINOPATHY - FREE PAPERS
	Chairs: ELISABETTA PILOTTO, FLORENCE COSCAS, JOSÉ CUNHA-VAZ

	, , , , , , , , , , , , , , , , , , ,
8:15	Roberta Spinetta - Diabetic retinopathy screening: data from a new centre
8:19	Discussion
8:21	Luisa Frizziero - Comparison of 50° handheld fundus camera versus ultra-widefield table-top
	fundus camera for diabetic retinopathy detection and grading
8:25	Discussion
8:27	Elias Khalili Pour - Automated machine learning-based classification of proliferative and non-proliferative
	diabetic retinopathy using optical coherence tomography angiography vascular density maps
8:31	— Discussion
8:33	Ana Almeida - Combination of ultra-wide-field colour fundus photography and optical coherence
	tomography angiography demonstrate different subtypes of non-proliferative diabetic retinopathy
8:37	Discussion
8:39	Jose Cunha-Vaz - Vessel density metrics using swept-source octa discriminates severity staging
	of npdr - the chart study
8:43	Discussion
8:45	Ana Santos - Characterization of two-year progression of different phenotypes of nonproliferative
	diabetic retinopathy
8:49	Discussion
8:51	Ana Santos - Non-invasive characterization of intraretinal microvascular abnormalities with widefield
	swept source octa imaging
8:55	Discussion
8:57	Couturier Aude - Retinal non-perfusion area measured with widefield oct-angiography in diabetic
	retinopathy with or without neovascularization
9:01	Discussion
9:03	Alessandro Berni - Confocal multicolor signal depends on perfusion characteristics of retinal
	microaneurysms in diabetic retinopathy as detected by octa
9:07	Discussion
9:09	Reza Mirshahi - Colocalization of ellipsoid zone disruption in enface oct with capillary non-perfusion
	on different retinal vascular layers and choriocapillaris of diabetic patients
9:13	— Discussion
9:15	Elisabetta Pilotto - Retinal microvascular and neuronal changes in adolescents with type 1 diabetes
9:19	Discussion
9:21	José Cunha-Vaz - Abnormal fluid accumulation in the diabetic retina quantification using oct-leakage
9:25	Discussion
9:27	Alessio Antropoli - High resolution/high speed (hr/hs) gap: a novel quantitative metric in optical
	coherence tomography angiography
9:31	Discussion
9:33	Paola Marolo - Retinal thickness deviation: a new oct parameter for assessing diabetic macular edema
9:37	Discussion
9:39	Florence Coscas - Treatment-naïve diabetic macular edema: preliminary results from
	the clinical study "fovea".
9:43	Discussion
9:45	Hamid Riazi Esfahani - Evaluation of the additive effect of interferon 2b with monthly intravitreal injection
0:40	of bevacizumab in refractory diabetic macular edema
9:49	Discussion

Maria Vadalà - Preoperative dexamethasone intravitreal implant in diabetic macular edema

anti-vascular endothelial growth factor injection on the foveal vasculature using optical

Hamid Riazi Esfahani - Comparison of the effect of pan-retinal photocoagulation versus intravitreal

patients undergoing phacoemulsification: the catadex study

coherence tomography angiography

9:51

9:55

9:57

Discussion

MICHELANGELO ROOM

	inional interpretation in the second
10:01	Discussion
10:03	Salvatore Parrulli - Multimodal imaging features of retinal neovascularizations (nvs) in proliferative diabetic retinopathy (pdr) in response to 3 anti-vegf injections
10:07	Discussion
10:09	Gustavo Melo - A silicone oil-free syringe tailored for intravitreal injection of biologics
10:13	Discussion
10:15	Edward Barayev - Postoperative complications of combined phacoemulsification and pars plana vitrectomy in diabetic retinopathy patients
10:19	Discussion
10:21	Adel Alakeely - Complications of combined vitrectomy and phacoemuslfication in vitrectomy for diabetic retinopathy
10:25	Discussion
11.15-	12.00 OCULAR INVOLVEMENT IN SYSTEMIC DISEASES: BIOMARKERS? - FREE PAPERS Chairs: SANDRINE ZWEIFEL, DANIELA BACHERINI, FRANCESCO FARALDI
11:15	Matteo Menean - Imaging biomarkers of leukemic choroidopathy
11:19	Discussion
11:21	Giovanni Cuffaro - Octa findings in migraine patients with and without aura
11:25	Discussion Penalty up les. Association of age related magular degeneration on alzheimer er parkinsen disease.
11:27 11:31	— Donghyun Jee - Association of age-related macular degeneration on alzheimer or parkinson disease — Discussion
11:33	Tommaso Torresin - Hyperreflective retinal foci in multiple sclerosis
11:37	Discussion
11:39	<i>Dimitrios Tsigkos</i> - The use of oct-a in the detection of pathological peripapillary microcirculation and the evaluation of its treatment.
11:43	Discussion
11:45	Marco Gioia - Assessment of choroidal thickness in multiple system atrophy and parkinson's disease.
11:49	Discussion
12.00-	CSC PACHYCOROID - FREE PAPERS Chairs: SIBEL DEMIREL, MASSIMO NICOLÒ, STELA VUJOSEVIC,
12:00	Blanca Eslava - Choroidal thickness in healthy eyes measured by ultra-widefield optical coherence tomography.
12:04	Discussion
12:06	Sibel Demirel - The frequency of intervortex anastomosis in central serous chorioretinopathy and fellow eyes; does the size of anastomotic vessels matter for the diagnosis?
12:10	Discussion
12:12	Rita Serra - Central serous choroioretinopathy in a caucasian cohort: an optical coherence tomography angiography study
12:16	Discussion
12:18	<i>Jakob Siedlecki</i> - Progression of pachychoroid neovasculopathy into aneurysmal type 1 choroidal neovascularization or polypoidal choroidal vasculopathy
12:22	Discussion

Pietro Marolda - Central serous choroioretinopathy treatment with oral indometacyn and eye drops

12:24

12:28

12:30

Discussion

Panel Discussion

MICHELANGELO ROOM

12.35-13.25 OCULAR TUMORS - FREE PAPERS

Chairs: MARTINA ANGI, ANTONIA JOUSSEN, CINZIA MAZZINI, MARIA ANTONIETTA BLASI

- 12:35 Antonella Guglielmi Circumscribed choroidal hemangioma associated with peripheral choroidal lesions
- 12:39 Discussion
- 12:41 Amanda le Retinal vasoproliferative tumours have varied clinical course requiring tailored management
- 12:45 Discussion
- 12:47 *Francesco Sabatino* Vitreous biopsy and macular chorioretinal biopsy for differentiating viral retinitis and vitreoretinal lymphoma
- 12:51 Discussion
- 12:53 Vlatka Brzovic Šaric Treatment of small choroidal tumors with diode laser a case study
- 12:57 Discussion
- 12:59 **Laura Di Leo** Endoresection via pars plana vitrectomy and adjuvant ruthenium brachytherapy for uveal melanoma: a single center case series
- 13:03 Discussion
- 13:05 Giulia Midena Choroidal vascular changes secondary to ocular irradiation
- 13:09 Discussion
- 13:11 *Hamid Riazi Esfahani* Evaluation of radiation maculopathy after treatment of choroidal melanoma with ruthenium-106 using optical coherence tomography angiography
- 13:15 Discussion
- 13:17 Final discussion

14.15-15.55 RETINAL DETACHMENT- FREE PAPERS

Chairs: MATTEO FORLINI, TOMMASO ROSSI, KHALID AL SABTI

- 14:15 Giuseppe Maria Albanese Comparison between scleral buckling and vitrectomy in the onset of cystoid macular edema and epiretinal membrane after rhegmatogenous retinal detachment repair
- 14:19 Discussion
- 14:21 *Francesco Pignatelli* Combined dexamethasone intravitreal implant and silicone removal for the treatment of macular edema after complex regmathogenous retinal detachment
- 14:25 Discussion
- 14:27 Ahmed Habib Surgical technique for repair of retinal detachment with extensive pvr (closed funnel configuration) in children and young adults
- 14:31 Discussion
- 14:33 *Lucas Soares* Intravitreal methotrexate infusion avoids postoperative proliferative vitreoretinopathy in uncomplicated primary retinal detachment
- 14:37 Discussion
- 14:39 *Tommaso Rossi* Silicone oil tamponade removal: which technique is more effective? An x-ray photoemission spectroscopy study
- 14:43 Discussion
- 14:45 *Tommaso Rossi* Do daily activities impact gas tamponade retina contact after pars plana vitrectomy? An experimental and computational fluid dynamics study
- 14:49 Discussion
- 14:51 Matteo Forlini Heavy silicone oil extraction: evaluation of a mixed 25/23 gauge sutureless approach
- 14:55 Discussion
- 14:57 *Inês Lopes* incidence of retinal detachment after silicone oil removal in eyes after severe postoperative endophthalmitis
- 15:01 Discussion
- 15:03 *Giacomo Visioli* Does choroidal thickness predict persistent subretinal fluid after rhegmatogenous retinal detachment repair? A retrospective study with fellow eye comparison.
- 15:07 Discussion
- 15:09 *Chiara Vivarelli* Oct angiography evaluation of macular plexuses following primary rhegmatogenous retinal detachment surgery: impact of surgical technique and tamponade choice

MICHELANGELO ROOM

45.40	Discussion
15:13 15:15	Anastasia Vlachou - Peripapillary changes of rnflt after successful treatment for rrd
15:19	Discussion
15:21	Luca Landini - Massive subretinal haemorrhage
15:25	Discussion
15:27	Francesco Sabatino - Outcomes of pars plana vitrectomy for treatment of retinal detachment associated with full thickness macular hole following intravitreal tissue plasminogen activator and gas injection for treatment of submacular haemorrhage
15:31	Discussion
15:33	Rodrigo Anguita - rhegmatogenous retinal detachment in choroidal melanoma: clinical features and surgical outcomes
15:37	Discussion
15:39	Aniruddha Agarwal - Management of a 2-year-old child with macular fold and extensive retinoschisis with pars plana vitrectomy and inner flap retinectomy
15:43	Discussion
15:45	Nataliia Grubnyk - Vitrectomy for war eye injuries
15:49	Discussion
15.55-	16.25 MYOPIA - FREE PAPERS
	Chairs: FABRIZIO GIANSANTI, STRATOS GOTZARIDIS, YUSUKE OSHIMA
15:55 15:50	Chairs: FABRIZIO GIANSANTI, STRATOS GOTZARIDIS, YUSUKE OSHIMA Mariluz Puertas - Posterior staphyloma as hallmark of pathologic myopia and severe pathologic myopia
15:59	Chairs: FABRIZIO GIANSANTI, STRATOS GOTZARIDIS, YUSUKE OSHIMA Mariluz Puertas - Posterior staphyloma as hallmark of pathologic myopia and severe pathologic myopia Discussion
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17.15-18.10 OPTIC NERVE - GLAUCOMA

Chairs: GILDA CENNAMO, CESARE MARIOTTI, ALFONSO SAVASTANO

17:15	Gilda Cennamo - Octa study of choroidal vasculature in open angle glaucoma patients
17:19	Discussion
17:21	Radina Kirkova - Perfusion changes in optic disc in glaucoma patients - an optic coherence
	tomography-angiography study
17:25	Discussion
17:27	Ana Filipa Moleiro, Amândio Rocha-Sousa - The influence of topical mydriatics on peripapillary

- 17:27 Ana Filipa Moleiro, Amândio Rocha-Sousa The influence of topical mydriatics on peripapillary and macular microvasculature measured by optical coherence tomography angiography in healthy subjects and diabetic patients without diabetic retinopathy
- 17:31 Discussion
- 17:33 Ferdinando Cione Optic nerve drusen evaluation: a comparison between ultrasound and oct
- 17:37 Discussion
- 17:39 *Rita Gama* Small-sized discs and oct normative databases in children
- 17:43 Discussion

MICHELANGELO ROOM

17:45	Francesco	Dragotto -	Nano	phthalmos:	beyond the	lens

- 17:49 Discussion
- 17:51 **Eamonn Fahy** Glaucoma following pars plana vitrectomy: a case series and review of the literature
- 17:55 Discussion
- 17:57 *Marko Zlatanovic* Combined surgery of phacoemulsification, vitrectomy and implantation
 - of ahmed's valve in the treatment of neovascular glaucoma
- 18:01 Discussion
- 18:03 **Eamonn Fahy** Ocular decompression retinopathy: a rare complication of glaucoma drainage surgery
- 18:07 Discussion

BERNINI ROOM

09.30-18.30 DRY LAB FOR AUTOMATED FLUID MONITORING

Hands on instruction for using an Al-based monitor tool in the management

of neovascular AMD in clinical practice Coordinator: URSULA SCHMIDT-ERFURTH Team: DORUK OKCUOGLU, CHRISTINA BOHRN

RAFFAELLO ROOM

14.00-18.00 IMAGING LAB

Organizer: EDOARDO MIDENA Coordinator: ELISABETTA PILOTTO

Instructors: LUISA FRIZZIERO, GIULIA MIDENA, TOMMASO TORRESIN

LEONARDO ROOM

09.00-13.15 3D SURGERY WET LAB

Alcon

9.00-11.00 GROUP A

Teachers: ANDREA SCUPOLA, ANTONIO BALDASCINO

11.15-13.15 GROUP B

Teachers: LORENZO DE ANGELIS, TITO FIORE

14.15-16.00 3D ADVANCED COURSE

Chair: DAVID CHOW

16.15-18.15 3D SURGERY WET LAB

Alcon

16.15-18.15 GROUP C

Teachers: FRANCESCO BARCA, LORENZO BENI

SUNDAY DECEMBER 11

CAVALIERI 2 ROOM

08.30-09.30 HOW THE NEW TECHNOLOGIES IMPROVED THE UNDERSTANDING OF DIABETIC RETINOPATHY

Chairs: MARIACRISTINA PARRAVANO, MONICA VARANO Moderators: ANAT LOEWENSTEIN, STELA VUJOSEVIC

8:30	funde Peto - Challenges of DR classification
8:38	Mariacristina Parravano - Is functional testing useful in DR
8:46	Anat Loewenstein - OCT biomarkers of treatment response in DME
8:54	Discussion

9:00 Stela Vujosevic - Microvascular abnormalities on OCTA in DR
 9:08 Serena Fragiotta - OCTA biomarkers in treatment response

9:16 Patricia Udaondo, Eliana Costanzo - Choroidal involvement in DR/DME

9:24 Discussion

09.30-10.45 BIOMARKERS

Chairs: FRANCINE BEHAR COHEN, DAVID HUANG, EDOARDO MIDENA

9:30	Francine Behar Cohen - Systemic biomarkers for Central Serous chorioretinopathy
9:35	Joseph Carroll - Relative sensitivity of OCTA-based retinal vasculature metrics
9:40	Roberto Dell'Omo - The role of OCT imaging in rhegmatogenous retinal detachment
9:45	David Huang - Automated segmentation of macular fluid volume as a treatment indicator
	for diabetic macular edema
9:50	Cesare Mariotti - Automated assessment of retinal biomarkers before and after idiopathic
	ERM removal by 27G PPV
9:55	Edoardo Midena - Intraocular liquid biopsy in AMD and diabetic retinopathy: adding Omics to imaging
10:00	Discussion
10:05	Elisabetta Pilotto - Hyper-reflective Retinal Foci as in vivo imaging biomarker of microglia activation
10:10	Khalil G. Falavarjani - Retinal and optic nerve microvascular changes in response to acute change
	in blood and intraocular pressure
10:15	Lisa Toto - Choroidal imaging biomarkers in macular neovascularization
10:20	Stela Vujosevic - Multimodal retinal imaging as biomarker for cerebrovascular and cardiovascular
	disease in patients with diabetes mellitus
10:25	Sandrine Zweifel - Ocular and systemic findings in post-COVID-19 patients
10:30	Majda Hadziahmetovic - Risk factors for the development and progression
	of diabetic retinopathy in pregnancy

10.45-11.45 HISTOLOGICAL VALIDATION OF OCT SIGNATURES IN AMD

Chairs: CHRISTINE A. CURCIO, K. BAILEY FREUND

10:45	K. Bailey Freund - Clinical application of insights from histology
10:55	Christine A. Curcio - Neovascular AMD and its precursor deposits, viewed through
	clinicopathologic correlation
11:OE	Prithyi Pamtohul - Cellular activity in peovascular AMD in histology and HP-OCT

- 11:05 *Prithvi Ramtohul* Cellular activity in neovascular AMD in histology and HR-OCT
- 11:15 Thomas Ach Histology and OCT shines new light on fundus autofluorescence and RPE cell biology
- 11:25 Andreas Pollreisz Outer retinal reflective bands at subcellular resolution: photoreceptor-RPE interactions via volume electron microscopy
- 11:35 Discussion

10:35

Discussion

SUNDAY DECEMBER 11

CAVALIERI 2 ROOM

11.45-12.45 IMAGING COURSE: WHAT'S NEW IN RETINAL IMAGING?

Chairs: ENRICO BORRELLI, ROSA DOLZ-MARCO, RODOLFO MASTROPASQUA, RICCARDO SACCONI, DANIELA BACHERINI



- 11:45 Vittorio Capuano New modalities of retinal visualization in cases of media opacity
- 11:52 Rosa Dolz-Marco Outer retinal reflective structures and aging changes using High Res OCT
- 11:59 *Carlo Lavia* High resolution OCTA analysis of three retinal capillary plexuses from the fovea to the periphery
- 12:06 *Rossella D'Aloisio* What's new in multimodal imaging: inflammatory biomarkers in retinal vascular diseases
- 12:13 *Ersöz Giray* Impact of social media on sharing retinal imaging
- 12:20 Claudio lovino OCTA of the iris: current limitations and future perspectives
- 12:27 Alexandra Miere Deep learning applications in retinal imaging
- 12:34 Daniela Bacherini Adaptive Optics Retinal Imaging: Emerging Clinical Applications
- 12:41 Discussion

BELLE ARTI ROOM

08.30-09.30 MYOPIC TRACTION MACULOPATHY: SURGICAL INDICATIONS AND TECHNIQUES

Coordinator: MARTA FIGUEROA

- 8:30 Andrea Govetto Pathophysiology of MTM
- 8:41 Grazia Pertile Surgical Approach and Indications in MTM
- 8:52 Marta Figueroa Lamellar Holes in The Context of MTM
- 9:03 Mario Romano Full-thickness Macular Holes in High Myopic Eyes: Surgical Management
- 9:14 Discussion

09.30-11.15 RETINAL DETACHMENT 2: MANAGING COMPLICATIONS

Chairs: VINCENZA BONFIGLIO, JOSÉ GARCÍA-ARUMÍ, MARCO MURA, FRANCESCO FARALDI

- 9:30 Tomaso Caporossi Human Amniotic Membrane In Retinal Detachment With Proliferative
- 9:35 *José Garcia-Arumi* Silicone oil retention sutures in severe PVR
- 9:40 *Heinrich Heimann* Surgical treatment of exudative retinal detachments
- 9:45 *Umberto Lorenzi* Macular complication after scleral buckle surgery. When to re-detach the retina?
- 9:50 *Marco Mura* Management of retinal detachment with pvr
- 9:55 **Athanasios Nikolakopoulos** Retina detachment treatment in multiple tears zipper sydrome and posterior vitreous base misplacement special considerations
- 10:00 Discussion
- 10:05 *Emilio Rapizzi* Efficacy and safety of pars plana vitrectomy and filtered air in the management of complex rhegmatogenous retinal detachment
- 10:10 *Tommaso Rossi* Silicone Oil removal techniques: which is better?
- 10:15 Agostino Vaiano Ocular hypotony
- 10:20 *Vincenza Bonfiglio* Subretinal fluid drainage during vitrectomy for the primary repair of rhegmatogenous retinal detachment: comparative study
- 10:25 *Hassan AlDibhi* The Role of SB with Small Gauge Vitrectomy
- 10:30 *Tito Fiore* In vivo visualization of the photoreceptors using Spectralis High Magnification Module (HMM) imaging in retinal detachment
- 10:35 Discussion
- 10:40 **Stratos Gotzaridis** Reduce the surgical time by not completely drain the subretinal fluid in retinal detachment cases
- 10:45 Yusuke Oshima Subretinal fluid injection for the treatment of idiopathic macular hole complicated with focal retinal detachment

SUNDAY DECEMBER 11

BELLE ARTI ROOM

10:50	Vincenzo Ferrara - Interface Vitrectomy and management of the Vitreous Base
10:55	Francesco Barca - Risk of retinal detachment recurrence after macular surgery in eyes previously
	treated with 360° encircling band
11:00	Enrico Peiretti - Minivit trial a new way to do vitrectomy in rhegmatogenous retinal detachment

11:05 Discussion

11.15-12.15 RETINAL PROSTHESIS

Chairs: STANISLAO RIZZO, GRAZIA PERTILE, RICHARD GISBERT

11:15 11:21	Stanislao Rizzo - A new system to restore sight in RP patient Fabio Patelli - Vision surgical systems for low vision AMD patients
11:27	Marco Andrea Pileri - Artificial vision in AMD: subretinal microchip implantation in geographic atrophy (GA). Surgical approach of the PRIMAvera project
11:33	Richard Gisbert - Functional results after implantion of a Retina Chip:what are the Limitations?
11:41	Discussion
11:49	Yannick Le Mer - Restoration of central vision in geographic atrophy with PRIMA chip
11:55	Alfonso Savastano - Real-life experience results using the SING (Smaller-Incision New-Generation)
	implantable miniature telescope (IMT)
12:01	Grazia Pertile - Liquid retina
12:07	Discussion

12.15-13.15 IOLS AND SCLERAL FIXATED IOLS

Chairs: STRATOS GOTZARIDIS, PAOLO LANZETTA, DANIELE TOGNETTO

12:15	Vincenzo Ferrara - Lost IOLs: logic and technique of strategies
12:20	Fabrizio Giansanti - Enhanced monofocal lenses in combined cataract and macular pucker surgery: useful
	or useless choice?
12:25	Stratos Gotzaridis - Five years experience of placing Cerlevale intraocular lenses
12:30	Discussion
12:35	Paolo Lanzetta - Combined transconjunctival sutureless 25-ga vitrectomy and scleral fixation
	of introdular long

- 12:40 Yusuke Oshima Surgical tips and outcomes of IOL intrascleral fixation for the treatment of dislocated IOL and crystalline lens
- 12:45 Fabio Patelli Secondary IOL implant, which is the best option
- 12.45 Table Fatetti Secondary IOL Implant, Which
- 12:50 Discussion
- 12:55 *Emilio Rapizzi* Evaluation of visual outcomes and complications of a suture-less scleral fixation IOL
- 13:00 Claudia Fossataro Catcher Pole scleral fixation for repositioning of dislocated IOL in vitreous chamber
- 13:05 Daniele Tognetto Suturless scleral fixation IOL: pitfalls and solutions
- 13:10 Discussion

CARAVAGGIO ROOM

09.15-10.15 OPERATING ROOM STAFF COURSE

09:15	Stefano Pepe - The intra-operative Compications in Retinal Surgery
09:30	Camilla Scognamiglio, Maddalena Camposeo - La gestione Infermieristica nel trattamento del
	retinoblastoma: l'esperienza dell'Ospedale pediatrico Bambino Gesù
09:45	Rossana Addei - Percorsi pre, intra e post-operatori

10:00 Discussion and practical insights





Acknowledgements

RED DIAMOND

Alcon

DIAMOND



BAUSCH+LOMB



EMERALD









RUBY

Apellis

















SAPPHIRE



Intalight















TOPAZ













AMBER









































