

Rome,
December 8, 9, 10 and 11, 2022

*Rome Cavalieri, A Waldorf Astoria
Hotel Congress Center*

FLO  **Retina** **2022**
IC  **OR** **2022**
10^o International Congress on OCT
and OCT angiography in Rome
<http://www.icoorfloretinameeting.com>

Preliminary
Program

THURSDAY DECEMBER 8

15:30-16:30 REGISTRATION

CAVALIERI II ROOM

16.30-18.45 RETINA CASE CONFERENCE: OPENING CONGRESS
Chairs: SUSAN BRESSLER, STANISLAO RIZZO, RICHARD SPAIDE

- 16:30 **Aysegul Mavi Yildiz** - Management of Retained Perfluorocarbon Liquid Beneath the Temporal Inverted ILM Flap
16:32 Discussion
16:34 **Marion Munk** - Mistery case
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** - Mistery case
16:56 Discussion
16:58 **Carl Awh** - 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** - 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** - Case
17:28 Discussion
17:30 **Philip Ferrone** - 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** - Case
17:44 Discussion
17:46 **Tarek Hassan** - Outside-In Dissection for Diabetic Traction Retinal Detachment
17:48 Discussion
17:50 **Tamer Mahmoud** - Progressive SNIFR
17:52 Discussion



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THURSDAY DECEMBER 8

CAVALIERI II ROOM

- 17:54 **Aleksandra Rachitskaya** - Case
17:56 Discussion
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 **Tom Williamson** - 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 masquerade2
18:24 Discussion
18:26 **Amani Fawzi** - Mistery case
18:28 Discussion
18:30 **Sandrine Zweifel** - Mistery case
18:32 Discussion
18:34 **Richard Spaide** - Perfect Macular Hole
18:36 Discussion

FRIDAY DECEMBER 9

COLOSSEO ROOM

08.00-08.30 TOPCON BREAKFAST WITH THE EXPERT

CAVALIERI II 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 - ESASO

Moderator: GIACOMO PANOZZO

Panel: VINCENZA BONFIGLIO, JOSÉ CUNHA-VAZ, PAOLO LANZETTA, ROSANGELA LATTANZIO, RUFINO SILVA, SOBHA SIVAPRASAD, GIOVANNI STAURENGHI

- 10:30 **Francesco Bandello, Anat Loewenstein** - Welcome and introduction
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 1
10:55 Round table: new aspects in the treatment of DME

FRIDAY DECEMBER 9

CAVALIERI II ROOM

11.15-12.15 DIABETIC RETINOPATHY TREATMENT

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 **Claudio Panico** - Heads-up 3D eye surgery: Safety outcomes and technological review after 2years of day-to-day use
12:09 Discussion

12.15-13.10 GENE THERAPIES AND ADVANCED THERAPEUTIC APPROACHES

Chairs: ALEKSANDRA RACHITSKAYA, ALAIN SAHEL JOSÉ, 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

13.25-13.30 ASSOCIAZIONE PAZIENTI RETINA

13.30-14.15 LUNCH SYMPOSIUM ROCHE:

Faricimab: a novel treatment beyond anti-VEGF monotherapy

Chairs: STANISLAO RIZZO, FRANCESCO BANDELLO, PAOLO LANZETTA, SRINIVAS SADDA

- 13:30 **Sascha Fauser** - Drug development in ophthalmology: from bench to clinical use
13:40 **Edoardo Midena** - The inhibition of pathologic pathways in DME and nAMD
13:50 Panel discussion

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CAVALIERI II ROOM

14.15-15.00 IRD ACTUAL MANAGEMENT AND FUTURE PERSPECTIVES
Chairs: ALBERT AUGUSTIN, BART LEROY, ROBERT MACLAREN

- 14:15 **Alessandro Iannaccone** - Approaches to the clinical, functional and genetic work-up for optimized characterization of the 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 **Peng Shawn** - DREAM it possible: A new generation of Swept-Source OCT - SVision Imaging Co.,Ltd
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 TBD - 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-and-Extend: Strengths and weaknesses
15:44 **Ramin Tadayoni** - AI-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 RETINAL VASCULAR DISEASES
Chairs: AMANI FAWZI, DAVID SARRAF, NADIA WAHEED

- 16:30 **Nadia Waheed** - Machine Learning in Image Enhancement for Retinal Vascular Disease
16:36 **Marco Lupidi** - Improvement of retinal OCT angiograms by Sampling Kantorovich algorithm in the assessment of retinal and choroidal perfusion
16:42 **Francesco Bandello** - 5-year morphologic biomarkers in macular edema secondary to retinal vein occlusion
16:48 **Claudio Iovino** - Coincident PAMM And AMN and insights into a common pathophysiology
16:54 **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
17:06 **David Sarraf** - Henle Fiber Hemorrhage in Mac Tel: Can we Explain the Right Eye Dominance?
17:12 Discussion

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CAVALIERI II ROOM

17.15-17.35 MAIN LECTURE
LAWRENCE YANNUZZI - AZOOR: An Update with Acute and Relentless Follow Up

17.35-18.30 CHOROID
Chairs: ALAIN GAUDRIC, JOSÉ MARIA RUIZ MORENO, RICHARD SPAIDE

- 17:35 **K. Bailey Freund** - Pachychoroid Disease: Patterns of Choroidal Venous Insufficiency Revealed with WF SS-OCT and UWF ICGA
17:41 **Alain Gaudric** - Choroidal veins topography on ultra wide field OCT/OCTA in healthy subjects
17:47 **José Maria Ruiz Moreno** - Choroidal vascularity index as biomarker vs. choroidal thickness in acute central serous chorioretinopathy
17:53 **Adnan Tufail** - Macular Curvature and Dome-Shaped Macular Configuration associations
17:59 Discussion
18:02 **Francine Behar Cohen** - Corticoids and Central serous chorioretinopathy: a complex link
18:08 **Jay Chhablani** - Central Serous Chorioretinopathy - learning from recent imaging
18:14 **Francesco Boscia** - Eplerenone for Chronic serous chorioretinopathy
18:20 **Giuseppe Querques** - No-Dose PDT for Central Serous Chorioretinopathy
18:26 Discussion

CAVALIERI I ROOM

08.00-13.00 LIVE SURGERY
Moderators: STEVE CHARLES, DONALD J. D'AMICO, CLAUS ECKARDT
Moderators from Auditorium: BERNARDO BILLI, STEFANO DE CILLÀ, VITO DE MOLFETTA, JOSÉ GARCÍA-ARUMÍ, TAREK HASSAN, FABIO PATELLI, MARIO ROMANO, GAURAV K. SHAH

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

- 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 TBD - Surgical Cases: Handles and tips in complex surgery - precision and control 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

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CAVALIERI I ROOM

- 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 **Yusuke Oshima** - Subretinal fluid injection for the treatment of idiopathic macular hole complicated with focal retinal detachment
15:25 Discussion

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
15:36 **Peter Szurman** - Hydrogel developments as vitreous substitute
15:42 **Mario Romano** - Interaction between different compounds during PPV
15:48 Discussion
15:57 **Steve Charles** - Medium term PFO for inferior retinal detachments and inferior, nasal, and temporal giant breaks
16:03 **Ernesto Bali** - preventing pfcl complication how we do it
16:09 **Michele Coppola** - Visual and morphologic outcome of PFCL-free rhegmatogenous retinal detachment
16:15 **Giorgio Marchini** - Management of glaucoma post PPV
16:21 Discussion

16.30-17.15 AFTERNOON SYMPOSIUM DORC

- 16:30 **Peter Szurman** - Latest developments in alternative vitreous tamponades
16:40 **TBD** - TBD
16:50 **Mario Romano** - EXPERIMENTAL STUDY RESULTS: Reducing Iatrogenic complications with a trocar system design and fluidics
17:00 Discussion

17.15-18.30 RETINAL DETACHMENT 1: SURGICAL TECHNIQUES

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

- 17:15 **J. Fernando Arevalo** - Vitrectomy versus Vitrectomy with Scleral Buckling in the Treatment of Giant Retinal Tear Related Retinal Detachments: An International Multicenter Study
17:20 **Francesco Faraldi** - Vitreoschisis-induced vitreous cortex remnants removal in primary rhegmatogenous retinal detachment
17:25 **Gaurav K. Shah** - Vitrectomy versus combined vitrectomy and scleral buckle for repair of primary retinal detachment associated with vitreous hemorrhage
17:30 Discussion
17:35 **Daniele Tognetto** - Minimal scleral buckling: the most effective approach

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CAVALIERI I ROOM

- 17:40 **Teresio Avitabile** - Macular Edema Following Vitrectomy for Primary Rhegmatogenous Retinal Detachment
17:45 **Vincenzo Ferrara** - Interface Vitrectomy and management of the Vitreous Base
17:50 Discussion
17:55 **Yannick Le Mer** - Retinal displacement after RD surgery : some clues for prevention
18:00 **J. Fernando Arevalo** - Repair of Progressive Retinal Detachment Complicating Degenerative Retinoschisis: Surgical Management and Outcomes in Phakic Eyes
18:05 **Thomas Wolfensberger** - A novel variant of pneumopexy
18:10 **Stratos Gotzardis** - Reduce the surgical time by not completely drain the subretinal fluid in retinal detachment cases
18:15 **Enrico Peiretti** - Minivit trial a new way to do vitrectomy in rhegmatogenous retinal detachment
18:20 Discussion

BELLE ARTI ROOM

08.30-09.30 RETINAL LASER PHOTOCOAGULATION

Chairs: PAOLO LANZETTA

Panel: FRANCESCO BANDELLO, FRANCESCO BOSCIA, 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?
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
9:27 Discussion

09.30-10.30 IMAGING: NEW DEVELOPMENTS

Chairs: JAMES FUJIMOTO, BRUNO LUMBROSO, DAVID HUANG

- 9:30 **Massimo Nicoló** - Oct image teleacquisition. A remote based approach to manage macular disease
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 **Jian Yifan** - Ultrawide-field Handheld Optical Coherence Tomography
9:54 Discussion

FRIDAY DECEMBER 9

BELLE ARTI ROOM

- 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 **Giovanni Staurenghi** - 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

**10.30-11.15 BREAKFAST SYMPOSIUM ZEISS: Advanced Research and Innovation
Ophthalmic Biomarkers and Artificial Intelligence**
Moderator: **PHILIP J. ROSENFELD**

- 10:30 **Nadia Waheed** - AI Based Imaging enhancement for Retinal Disease
- 10:40 **Stela Vujosevic** - OCT and OCT-A biomarkers in Diabetes mellitus
- 10:50 **Mariacristina Parravano** - UWF multimodal imaging in vascular diseases
- 11:00 Discussion

11.15-12.15 RETINAL IMAGING FOR PREDICTION OF SYSTEMIC DISEASES
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
- 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

12.15-13.10 DEBATE LOUNGE
Chairs: **BARUCH KUPPERMANN, ANAT LOEWENSTEIN**

- 12:15 **Carl Awh** - The Port Delivery System will be an excellent option for nAMD patients with persistent fluid. FOR
- 12:20 **Francesco Bandello** - The Port Delivery System will be an excellent option for nAMD patients with persistent fluid. AGAINST
- 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
- 13:05 Discussion

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BELLE ARTI ROOM

13.10-13.25 BRUNO LUMBROSO LECTURE LIVE from CAVALIERI II ROOM

13.25-13.30 ASSOCIAZIONE PAZIENTI RETINA

13.30-14.15 LUNCH SYMPOSIUM OPTOPOL

14.15-15.15 OCT ANGIOGRAPHY FOR BEGINNERS

Director: DANIELA BACHERINI

Special Guest: BRUNO LUMBROSO

Chairs: DAVID HUANG, MARCO RISPOLI

14:15 *David Huang* - Basic principle of OCT angiography (OCTA)

14:25 *Enrico Borrelli* - OCT angiography and retinal anatomy

14:35 *Nadia Waheed* - Image artifacts in OCT angiography

14:45 *Marion Munk* - OCT Angiography nomenclature in Retinal vascular Diseases

14:55 *Philip J. Rosenfeld* - OCTA imaging of MNV, PCV, and CC using boundary specific segmentation

15:05 *Luca Di Antonio* - Tips and Tricks of OCT angiography

15.15-16.30 ADVANCED OCT ANGIOGRAPHY

Special Guest and International OCT Angiography Opinion Leader: LUMBROSO BRUNO

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

15:15 *Marco Rispoli* - New advanced application of OCTA

15:22 *Caroline Baumal* - Diabetic retinopathy: new frontiers

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

15:36 *Sobha Sivaprasad* - Hyperreflective flow below RPE: what is the meaning?

15:43 Discussion

15:49 *Amani Fawzi* - White dot syndrome: is OCTA helpful?

15:56 *Sandrine Zweifel* - OCTA & Pachyvessels: a new biomarkers?

16:03 *Marco Pellegrini* - Role of OCTA in masquerade syndrome

16:10 *Alexander J. Brucker* - Wide Field imaging: future perspective

16:17 *James Fujimoto* - Advances in high speed SS-OCT angiography for assessing blood flow impairment

16:24 Discussion

16.30-17.15 AFTERNOON SYMPOSIUM ZEISS: Advanced Research and Innovation

Ultra-widefield fundus imaging

Moderator: GIUSEPPE QUERQUES

16:30 *Mario Romano* - Benefits of ultra-widefield imaging in vitreoretinal surgery

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

16:50 *Jean-Francois Korobelnik* - Bringing it together - Multi-Modal Ultra Widefield Imaging

17:00 Discussion

17.15-18.15 MULTIMODAL IMAGING: HOW TO INTERPRET THE DIFFERENT SOURCES OF SIGNAL

Chair: FRANCESCO BANDELLO

Co-Chair: GIUSEPPE QUERQUES

17:15 *Enrico Borrelli* - Fundus Autofluorescence

17:25 *Riccardo Sacconi* - Optical coherence tomography

17:35 *Alessandro Arrigo* - Optical coherence tomography angiography

17:45 *Maria Vittoria Cicinelli* - Ultrawide field angiography

17:55 *Chairs & Speakers* - Final remarks and discussion

FRIDAY DECEMBER 9

ELLISSE ROOM

08.30-10.30 FREE PAPERS

10.30-11.15 MEET THE EXHIBITORS AT THE EXPO AREA

11.15-13.10 ROP COURSE

Chairs: DOMENICO LEPORE, DARIUS M. MOSHFEGHI, CYNTHIA TOTH

- 11:15 *Fernando Molle* - Introduction
11:20 *Domenico Lepore* - Screening and treatment criteria
11:32 *Jian Yifan* - New imaging techniques. Ultrawide Field of View Optical Coherence Tomography for the Diagnosis and Classification of Retinopathy of Prematurity
11:44 *Mary Elizabeth Hartnett* - antiVEGF vs Laser
11:56 *Darius M. Moshfeghi* - Regression and reactivation
12:08 *Cynthia Toth* - Vitrectomy
12:20 *Peter Campbell* - AI in ROP
12:32 *Daniela Ricci* - Early and Late visual assessment
12:44 Discussion

13.10-13.25 BRUNO LUMBROSO LECTURE LIVE from CAVALIERI II ROOM

13.25-13.30 ASSOCIAZIONE PAZIENTI RETINA

13.30-14.15 MEET THE EXHIBITORS AT THE EXPO AREA

14.15-15.30 WHAT YOU NEED TO KNOW IN THE PREVENTION AND MANAGEMENT OF ENDOPTHALMITIS IN 2022 - UNDER THE PATRONAGE OF GIVRE

Chairs: FRANCESCO BOSCIA, GUIDO LESNONI, MARCO ANDREA PILERI, STEFANO ZENONI

- 14:15 *Daniele Tognetto* - Diagnosis, role of biopsy and antibiotics
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
14:59 *Rodolfo Mastropasqua* - Antiseptic and antibiotic agents
15:06 *Tito Fiore* - Primary small gauge pars vitrectomy and silicon oil endotamponade for 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 PEDIATRIC VITREORETINAL SURGERY

Chair: CARL CLAES

16.30-17.15 AFTERNOON SYMPOSIUM SAMSARA - 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* - The technology behind the SING IMT performance
16:44 *Pantelis A. Papadopoulos* - My SING IMT: Similar to a cataract procedure and able to treat late-stage AMD

FRIDAY DECEMBER 9

ELLISSE ROOM

- 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

17.15-18.15 REDO MACULAR HOLE SURGERY
Chairs: TOMASO CAPOROSSI, CARL CLAES, MARTA FIGUEROA

- 17:15 **Gloria Gambini** - Introduction
17:21 **Carl Claes** - Treatment of failed macular hole (hydrodissection)
17:27 **Marta Figueroa** - Plasma Rich in Growth Factors (PRGF) in failed macular hole cases
17:33 **Daniela Bacherini** - ILM in the treatment of failed MH
17:39 Discussion
17:45 **Tamer Mahmoud** - Autologous neurosensory retinal free flap transplantation (ART)
17:51 **Tomaso Caporossi** - Amniotic Membrane
17:57 **Ciro Tamburrelli** - Autologous iris transplant
18:03 **Umberto Lorenzi** - The Refractory Macular Hole (ReMaHo) study
18:09 Discussion

CARAVAGGIO ROOM

**09.30-10.30 ADVANCED THEORETICAL-PRACTICAL COURSE OF IMAGING FOR ORTHOPTISTS:
ADVANCES IN TECHNIQUES, DIAGNOSIS AND SHARED MANAGEMENT
OF PATIENTS WITH RETINOPATHIES. AIORAO - 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*

- 9:30 **Giorgio Placidi** - Pathognomonic ERGs in Inherited Retinal Dystrophies
9:38 **Carlo Perillo** - Multimodal imaging in every day clinical practice
9:46 **Giulia Rocca** - 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 **Ilaria Biagini** - 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

FRIDAY DECEMBER 9

CARAVAGGIO ROOM

**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 OMIKRON: 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
15:00 *Marco Lupidi* - Diabetic macular edema biomarkers and AI: the practice
15:10 Discussion

15.30-17.15 ONCOLOGY
Chairs: *EMILIO BALESTRAZZI, MARIA ANTONIETTA BLASI, BERTIL DAMATO, EDOARDO MIDENA*

- 15:30 *Carol Shields* - Uveal melanoma: updated treatment. ONLINE
15:40 *Bertil Damato* - Pros and Cons of endoresection for uveal melanoma. ONLINE
15:50 *Martina Angi* - Polymorphic manifestations of ocular metastases from cutaneous melanoma
15:57 *Carmela Grazia Caputo* - Diagnostic ultrasound imaging in ocular oncology
16:04 *David Sarraf* - Advanced OCT Analysis of Biopsy Proven Vitreoretinal Lymphoma
16:11 *Heinrich Heimann* - Biopsy of small choroidal tumours: results and complications
16:18 *Monica Pagliara* - Resolution of exudative retinal detachment after brachytherapy
treatment for uveal melanoma
16:25 *Antonia Jousen* - Large Uveal melanoma: a comprehensive approach to maintain eye and vision
16:32 *Andrea Scupola* - Endoresection: surgical technique, tips and tricks
16:39 *Edoardo Midena* - Radiation retinopathy: treatment options
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



Rome,
December 8, 9, 10 and 11, 2022

*Rome Cavalieri, A Waldorf Astoria
Hotel Congress Center*

FRIDAY DECEMBER 9

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)

OPTOVUE
ZEISS
TOPCON

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)

NIDEK
HEIDELBERG

14.15-18.30 **IMAGING LAB**
Coordinator: MIDENA EDOARDO

LEONARDO ROOM

08.30-18.30 **3D SURGERY WET LAB**

SATURDAY DECEMBER 10

CAVALIERI II ROOM

08.30-09.30 WET AMD: IMAGING

Chairs: PHILIP J. ROSENFELD, SRINIVAS SADDA, URSULA SCHMIDT-ERFURTH

- 8:30 **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 **Philip J. Rosenfeld** - Predicting low luminance visual acuity deficits based on central foveal SS-OCTA imaging in nonexudative AMD
- 8:55 **Anat Loewenstein** - Potential of Home OCT guided treatment of nAMD
- 9:00 **Sandrine Zweifel** - Macular neovascularization lesion type and vision outcomes in nv AMD
- 9:05 Discussion
- 9:10 **Srinivas Sadda** - OCT risk factors for progression to neovascular AMD
- 9:15 **Chiara Eandi** - Early OCTA changes of Type3 macular neovascularization following brolocizumab intravitreal injections
- 9:20 **Ursula Schmidt-Erfurth** - Conversion from intermediate to advanced AMD: First events in the PINNACLE study
- 9:25 Discussion

09.30-10.30 WET AMD: PATHOGENETIC INSIGHTS

Chairs: CHRISTINE A. CURCIO, K. BAILEY FREUND, LAWRENCE YANNUZZI

- 9:30 **Baruch Kuppermann** - The Role of Mitochondrial Genetics in Age Related Macular Degeneration
- 9:35 **Richard Spaide** - Inflammatory Cell Activity in Neovascular Age-Related Macular Degeneration
- 9:40 **Christine A. Curcio** - Quantitative autofluorescence, RPE lipofuscin biology, aging, and AMD
- 9:45 Discussion
- 9:50 **Rufino Silva** - Rare variants in CFH and phenotypic implications in Age-related Macular Degeneration in the Coimbra Eye Study
- 9:55 **Daniel Pauleikhoff** - Is MNV in nAMD a positive biological response? Analysis of long-term anti-VEGF-therapy
- 10:00 **Quan Dong Nguyen** - Inflammation in Retinal Vascular Diseases: The Role of IL-6 in Neovascular AMD
- 10:05 Discussion
- 10:10 **Amani Fawzi** - 3D imaging of neovascular lesions in AMD: 3D lesion complexity on OCTA and its implications
- 10:15 **K. Bailey Freund** - Clinicopathologic Correlations of Type 3 MNV
- 10:20 **Sobha Sivaprasad** - Dark adaptation in AMD
- 10:25 Discussion

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

Moderators: ROSANGELA LATTANZIO, EDOARDO MIDENA

- 10:30 Moderators - Opening remarks
- 10:32 **Enrico Borrelli** - How aflibercept changed our clinical practice
- 10:42 Discussion
- 10:46 **Edoardo Midena** - Retinal diseases revisited after 10 years
- 10:56 Discussion

SATURDAY DECEMBER 10

CAVALIERI II ROOM

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

11.15-12.15 WET AMD: TREATMENT

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

11:15 **Daniel Pauleikhoff** - Remodelling and growth of MNV under long-term anti-VEGF-therapy – a repair mechanism?
11:20 **Francesco Boscia** - Observe and plan regimen of anti-vegf injections for wet AMD
11:25 **Francesco Viola** - Two years real-life treatment outcomes of Polypoidal Choroidal Vasculopathy versus Type 1 Macular Neovascularization in Caucasians. Fight Retinal Blindness! Italian registry
11:30 Discussion
11:35 **Usha Chakravarthy** - Incidence of Fibrosis and Atrophy on SD OCT in treated neovascular AMD and associations with visual acuity: 7 year findings from the IVAN trial
11:40 **Alessandro Invernizzi** - Brolucizumab real world data: FRB! Register
11:45 **Alfredo Pece** - Retina Group Project: personal experience on a large cohort of patients treated with Brolucizumab
11:50 Discussion
11:55 **Angelo Minnella** - Update on future treatments: Aflibercept 8 mg
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
12:10 Discussion

12.15-13.30 WET AMD: NEW HORIZONS - UNDER THE PATRONAGE OF ASRS

Chairs: CARL AWH, PHILIP FERRONE, CARL D. REGILLO

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

13.30-14.15 LUNCH SYMPOSIUM NOVARTIS

Moderators: STANISLAO RIZZO, FRANCESCA SIMONELLI

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

SATURDAY DECEMBER 10

CAVALIERI II ROOM

Gene therapy with Luxturna: 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

- 14:15 **Roger Lopez** - TBD
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 **TBD** - 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, SOBHA SIVAPRASAD

- 15:15 **Eric Moul** - Image-Driven Modeling for Understanding Geographic Atrophy Growth
15:21 **Giuseppe Querques** - Sub-retinal pigment epithelium tubules in non-neovascular age-related macular degeneration
15:27 **Christine A. Curcio** - Neuroanatomy links rod-mediated dark adaptation and drusen biology in AMD
15:33 Discussion
15:38 **Riccardo Sacconi** - Choroidal changes in non-exudative age-related macular degeneration
15:44 **Frank Holz** - Photoreceptor degeneration as OCT-imaging biomarker in dry AMD: an AI-based analysis
15:50 **Rufino Silva** - Association of genetics and the adherence to the Mediterranean diet: the risk for age-related macular degeneration
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 Functional Retinal Assessment
16:19 **Sobha Sivaprasad** - Quantitative autofluorescence in AMD
16:25 Discussion

**16.30-17.15 AFTERNOON SYMPOSIUM APELLIS
GA: ARE WE ENTERING A NEW ERA?**

- 16:30 **Stela Vujosevic** - Welcome and introduction
16:40 **Usha Chakravarthy** - Relationship between anatomical vs functional endpoints in Geographic Atrophy
16:50 **Caroline Baumal** - Recent Phase 3 clinical trial results: Where do we stand today?
17:00 All - Panel discussion
17:10 **Stela Vujosevic** - Close

SATURDAY DECEMBER 10

CAVALIERI II 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 I ROOM

08.00-12.45 LIVE SURGERY

Moderators: STEVE CHARLES, DONALD J.D'AMICO, CLAUS ECKARDT, GRAZIA PERTILE
Moderators from Auditorium: CLAUDIO AZZOLINI, FRANCESCO BARCA, VITO DE MOLFETTA
FABIO FIORMONTE, TAMER MAHMOUD, CARL D. REGILLO, TOM WILLIAMSON,
LEJLA VAJZOVIC, STEFANO DE CILLA

12.45-13.30 RETINAWS

Chair: KOUROUS A. REZAEI

**13.30-14.15 LUNCH SYMPOSIUM BAUSCH&LOMB: SUPRACHOROIDAL
DELIVERY FOR OCULAR THERAPEUTICS: CORTICOSTEROID
AND BEYOND – A PRACTICAL COURSE**

Course Director: QUAN DONG NGUYEN

- 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 with Suprachoroidal Triamcinolone

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 Luxturna 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

SATURDAY DECEMBER 10

CAVALIERI I ROOM

- 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** - Transconjunctival nonvitrectomizing macular surgery in patients
with epiretinal membrane: Ten years follow up a Prospective Randomized Study
16:25 Discussion

16.30-17.15 3D SESSION
**Chairs: VIRGILIO MORALES CANTON, STEVE CHARLES, DAVID CHOW, CARL CLAES,
CLAUS ECKARDT, ANAT LOEWENSTEIN, ROGER LOPEZ**

- 16:30 **Adria Valls** - Ngenuity 3D system
16:35 **David Chow** - Maximizing Performance of 3D surgery systems
16:40 **Benedikt Wurm** - Bausch & Lomb - Heidelberg 3D system
16:45 **Claus Eckardt** - Latest development in Heads-up surgery: A new digital viewing system
16:50 **Segev Eran** - Beyeonics' 3D system
16:55 **Anat Loewenstein** - Innovative Beyeonics' helmet system, based on pilot head mount display
PPV ERM peeling surgeries results
17:00 **Frank Deubel** - Zeiss Artevo 3D system
17:05 **Marco Mura** - My experience with 3D visualization: advantages and disadvantages
17:10 **Lejla Vajzovic** - Update on 3D surgical visualization systems and Intraoperative OCT

17.15-18.30 SURGERY: FIX THAT RETINA
Chairs: DAVID CHOW, KOUROUS A. REZAEI

SATURDAY DECEMBER 10

BELLE ARTI ROOM

08.30-09.30 SYSTEMATIC INTERPRETATION OF OCT

Chair: SRINIVAS SADDA

- 8:30 *Srinivas Sadda* - Strategies for acquisition of OCT images: scan protocols, dimensions, frame averaging
8:50 *Enrico Borrelli* - Strategies for viewing OCT images: viewing stations, PACS systems
9:10 *David Sarraf* - New signs on OCT images that you should not miss

09.30-10.30 IMAGING: EVOLVING TECHNIQUES

Chairs: JOSEPH CARROLL, USHA CHAKRAVARTHY, GIOVANNI STAURENGHI

- 9:30 *Marco Lupidi* - Microstructural assessment of retinal structure and perfusion with variable A-scan rate Spectralis OCT
9:36 *Usha Chakravarthy* - Agreement between the double layer sign on SD OCT and detection of vascular complexes on OCTA
9:42 *Joseph Carroll* - Structure-function correlations using AOSLO techniques
9:48 *Giovanni Staurenghi* - Cone and Rods identification using High Resolution OCT
9:54 Discussion
10:00 *Michael Pircher* - Polarization sensitive optical coherence tomography and its clinical applications
10:06 *Mario Romano* - Advanced data integration and analyses: clinical applications
10:12 *Richard Spaide* - Improved Imaging the Vitreous with Boosted Optical Coherence Tomography
10:18 *Daniela Bacherini* - Peripheral ultra-widefield OCT in peripheral retinal degenerations
10:24 Discussion

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

11.15-12.15 PEDIATRIC RETINA

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

- 11:15 *Mary Elizabeth Hartnett* - Molecular basis of to restore normal vascular development
11:21 Discussion
11:24 *Domenico Lepore* - Beyond the future The new ICROP
11:30 Discussion
11:33 *Cynthia Toth* - New imaging technique in pediatric ophthalmology
11:39 Discussion
11:42 *Darius M. Moshfeghi* - Optimization of ROP treatment technique
11:48 Discussion
11:51 *Peter Campbell* - AI in pediatric retina
11:57 Discussion
12:00 *Carl Claes* - Neonatal vitreoretinal interface
12:06 Discussion
12:09 Closing remarks

SATURDAY DECEMBER 10

BELLE ARTI ROOM

12.15-13.30 ARTIFICIAL INTELLIGENCE

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

- 12:15 *Suber Huang* - Beyond AI - Human-Centered Computing in Ophthalmology
12:21 *Carol Cheung* - Deep Learning for Diabetic Retinal Disease: What is new?
12:27 *Cesare Mariotti* - Artificial intelligence and handheld fundus camera as an effective tool in Diabetic Retinopathy screening in a real life setting
12:33 *Sebastian Wolf* - Prediction of anti-VEGF treatment demand using machine learning and AI
12:39 *Marion Munk* - Machine learning to predict development of macular atrophy in patients with nAMD
12:45 Discussion
12:52 *Roy Schwartz* - Insights on reticular pseudodrusen using AI
12:58 *Kazuaki Kadosono* - Surgical images enhanced with AI
13:04 *Maria Cristina Savastano, Emanuele Crincoli* - AI in vitreoretinal interface disorders
13:10 *Tom Williamson* - Artificial intelligence in the identification of risk factors for failed rhegmatogenous retinal detachment surgery
13:16 *Ramin Tadayoni* - A pragmatic assessment of uses and impacts of AI in our practice
13:22 Discussion

**13.30-14.15 LUNCH SYMPOSIUM REGENXBIO
State of the Art Gene Therapy Symposium**

Chairs: ALLEN HO, PETER KAISER

- 13:30 *Bart Leroy* - Gene Therapy for IRD
13:36 *Robert Maclaren* - Surgical Considerations for Gene Therapy
13:42 *Nadia Waheed* - Gene Therapy for Atrophic AMD
13:48 Discussion
13:52 *Allen Ho* - Gene Therapy Strategies for Exudative AMD and Diabetic Retinopathy
13:58 *Peter Kaiser* - Intravitreal Gene Therapy for Exudative AMD
14:04 *Francine Behar Cohen* - Non-viral Gene Therapy for Chronic Uveitis
14:10 Discussion

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

Chairs: FRANCESCO BANDELLO, ANAT LOEWENSTEIN

- 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

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

SATURDAY DECEMBER 10

BELLE ARTI ROOM

15.15-16.30 MYOPIA

Chairs: TERESIO AVITABILE, BARBARA PAROLINI, ADNAN TUFAIL

- 15:15 *Adnan Tufail* - Myopia-associated CNV
15:21 *Tamer Mahmoud* - How to measure myopic macular holes? 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 *Teresio Avitabile* - 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 *Ugo Introuini* - Anti-VEGF treatment of myopic macular neovascularization: long-term visual outcome and related risk factors
16:07 *Khalid Al Sabti* - 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* - 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 DIBHI SAUDITA, CHRISTOPHER OR

- 16:30 *Antonio Ciardella* - Bilateral Acute Retinal Necrosis (BARN) during the Coronavirus Pandemic
16:37 *Wataru Matsumiya* - Many Faces of Uveitis in the Era of COVID and COVID Vaccination
16:44 *Saudita Hassan Dibhi* - 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 *Hien Luong Doan* - Drug-Induced Serous Retinal Detachment
17:05 *Jeffrey L. Goldberg* - New Insights into Inflammatory Glaucoma
17:12 *Aniruddha Agarwal* - Managing Mycobacterium tuberculosis Chorioretinitis
17:19 Panel Discussion: Best Approaches in Managing Uveitic Macular Edema

**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: ANIRUDDHA AGARWAL, ANTONIO CIARDELLA

- 17:30 *Luca Cimino* - The Usefulness of Aqueous Humor Analysis in Uveitis
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
18:12 Panel Discussion: Challenging Cases in Uveitis

SATURDAY DECEMBER 10

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: DANIEL BARTHELMES, 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
09:00 *Doruk Okcuoglu* - The technology behind the tool
09:10 *Gregor Reiter* - AI in prospective use
09:20 *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 Ramtohum* - 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 NIKON/OPTOS

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 *Srinivas Sadda* - 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
12:11 Discussion

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
12:47 *Srinivas Sadda* - OCTA characteristics of type 1 MNV in nAMD under anti-VEGF therapy - supporting aspects for the outer retina?

SATURDAY DECEMBER 10

ELLISSE ROOM

- 12:58 **Daniel Pauleikhoff** - Remodelling and growth of MNV under long-term 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 HEIDELBERG

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

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
16:02 **Baruch Kuppermann** - When OCT angiography shows non-exudative MNV and OCT does not reveal any fluid anti-VEGF treatment should be administered. Why yes, why not
16:10 Discussion
16:16 **Valentina Sarao** - Will intravitreal injections remain the gold standard?
16:24 Discussion

17.15-18.30 AUTOFLUORESCENCE COURSE ("FLUORETINA")

Chair: GIOVANNI STAURENGHI

- 17:15 **Giovanni Staurenghi** - What fluoresce in the fundus
17:25 **Elisabetta Pilotto** - Near infrared autofluorescence
17:35 **Mariano Cozzi** - Quantitative autofluorescence and Color autofluorescence
17:45 **Sandrine Zweifel** - The clinical use of autofluorescence 1
17:55 **Marco Pellegrini** - The clinical use of autofluorescence 2
18:05 **Alessandro Invernizzi** - The clinical use of autofluorescence 3
18:15 Discussion

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SATURDAY DECEMBER 10

CARAVAGGIO ROOM

15.15-16.00 INSTRUCTIONAL COURSE: PROLIFERATIVE VITREORETINOPATHY, SURGICAL MANAGEMENT AND IMPROVED TECHNIQUES
Chair: JOSÉ GARCÍA-ARUMÍ

- 15:15 *José García-Arumí* - Introduction
15:18 *Ehab El Rayes* - Vitreomacular interface epiretinal membranes management
15:28 *Thomas Wolfensberger* - Retinotomy-Retnectomy 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

BERNINI ROOM

09.30-18.30 DRY LAB
Coordinator: URSULA SCHMIDT-ERFURTH

RAFFAELLO ROOM

14.15-18.30 IMAGING LAB
Coordinator: EDOARDO MIDENA

LEONARDO ROOM

08.30-14.15 3D SURGERY WET LAB

14.15-15.15 3D ADVANCED COURSE
Chair: David Chow

15.15-18.30 3D SURGERY WET LAB

SUNDAY DECEMBER 11

CAVALIERI II ROOM

08.15-09.15 FREE PAPERS

09.15-10.15 HOW THE NEW TECHNOLOGIES IMPROVED THE UNDERSTANDING OF DIABETIC RETINOPATHY

Chairs: MARIACRISTINA PARRAVANO, MONICA VARANO

Moderators: ANAT LOEWENSTEIN, STELA VUJOSEVIC

- 9:15 *Tunde Peto* - Challenges of DR classification
9:23 *Mariacristina Parravano* - Is functional testing useful in DR
9:31 *Anat Loewenstein* - OCT biomarkers of treatment response in DME
9:39 Discussion
9:45 *Stela Vujosevic* - Microvascular abnormalities on OCTA in DR
9:53 *Serena Fragiotta* - OCTA biomarkers in treatment response
10:01 *Patricia Udaondo* - Choroidal involvement in DR/DME
10:09 Discussion

10.15-11.30 BIOMARKERS

Chairs: FRANCINE BEHAR COHEN, DAVID HUANG, EDOARDO MIDENA

- 10:15 *Francine Behar Cohen* - The choroid: Vessels, what else?
10:20 *Joseph Carroll* - Relative sensitivity of OCTA-based retinal vasculature metrics
10:25 *Roberto Dell'omo* - The role of OCT imaging in rhegmatogenous retinal detachment
10:30 *David Huang* - Automated segmentation of macular fluid volume as a treatment indicator for diabetic macular edema
10:35 *Cesare Mariotti* - Automated assessment of retinal biomarkers before and after idiopathic ERM removal by 27G PPV
10:40 *Edoardo Midena* - Intraocular liquid biopsy in AMD and diabetic retinopathy: adding Omics to imaging
10:45 Discussion
10:50 *Elisabetta Pilotto* - Hyper-reflective Retinal Foci as in vivo imaging biomarker of microglia activation
10:55 *Khalil G. Falavarjani* - Retinal and optic nerve microvascular changes in response to acute change in blood and intraocular pressure
11:00 *Lisa Toto* - Choroidal imaging biomarkers in macular neovascularization
11:05 *Stela Vujosevic* - Multimodal retinal imaging as biomarker for cerebrovascular and cardiovascular disease in patients with diabetes mellitus
11:10 *Sandrine Zweifel* - Ocular and systemic findings in post-COVID-19 patients
11:15 *Majda Hadziahmetovic* - Risk factors for the development and progression of diabetic retinopathy in pregnancy
11:20 Discussion

11.30-12.30 HISTOLOGICAL VALIDATION OF OCT SIGNATURES IN AMD

Chairs: CHRISTINE A. CURCIO, K. BAILEY FREUND

- 11:30 *K. Bailey Freund* - Clinical application of insights from histology
11:40 *Christine A. Curcio* - Neovascular AMD and its precursor deposits, viewed through clinicopathologic correlation
11:50 *Prithvi Ramtohol* - Cellular activity in neovascular AMD in histology and HR-OCT
12:00 *Thomas Ach* - Histology and OCT shines new light on fundus autofluorescence and RPE cell biology

SUNDAY DECEMBER 11

CAVALIERI II ROOM

- 12:10 **Andreas Pollreisz** - Outer retinal reflective bands at subcellular resolution: photoreceptor-RPE interactions via volume electron microscopy
12:20 Discussion

12.30-13.30 YORIS IMAGING COURSE: WHAT'S NEW IN RETINAL IMAGING?

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

- 12:30 **Vittorio Capuano** - New modalities of retinal visualization in cases of media opacity
12:37 **Rosa Dolz-Marco** - Outer retinal reflective structures and aging changes using High Res OCT
12:44 **Carlo Lavia** - High resolution OCTA analysis of three retinal capillary plexuses from the fovea to the periphery
12:51 **Rossella D'aloisio** - What's new in multimodal imaging: inflammatory biomarkers in retinal vascular diseases
12:58 **Ersöz Giray** - Impact of social media on sharing retinal imaging
13:05 **Dimitri Maltsev** - Pulsatile retinal blood flow registered with optical coherence tomography angiography in patients with high intraocular pressure
13:12 **Alexandra Miere** - Deep learning applications in retinal imaging
13:19 **Daniela Bacherini** - Adaptive Optics Retinal Imaging: Emerging Clinical Applications
13:26 Discussion

CAVALIERI I ROOM

08.15-09.15 FREE PAPERS

09.15-10.15 MYOPIC TRACTION MACULOPATHY: SURGICAL INDICATIONS AND TECHNIQUES

Coordinator: MARTA FIGUEROA

- 9:15 **Andrea Govetto** - Pathophysiology of MTM
9:26 **Grazia Pertile** - Surgical Approach and Indications in MTM
9:37 **Marta Figueroa** - Lamellar Holes in The Context of MTM
9:48 **Mario Romano** - Full-thickness Macular Holes in High Myopic Eyes: Surgical Management
9:59 Discussion

10.15-11.30 RETINAL DETACHMENT 2: MANAGING COMPLICATIONS

Chairs: VINCENZA BONFIGLIO, JOSÉ GARCÍA-ARUMÍ, MARCO MURA, CLAUDIO PANICO

- 10:15 **Tomaso Caporossi** - Human Amniotic Membrane In Retinal Detachment With Proliferative Vitreoretinopathy
10:20 **José García-Arumí** - Silicone oil retention sutures in severe PVR
10:25 **Heinrich Heimann** - Surgical treatment of exudative retinal detachments
10:30 **Umberto Lorenzi** - Macular complication after scleral buckle surgery. When to re-detach the retina?
10:35 **Marco Mura** - Management of retinal detachment with pvr
10:40 Discussion
10:45 **Athanasios Nikolakopoulos** - Retina detachment treatment in multiple tears zipper syndrome and posterior vitreous base misplacement special considerations
10:50 **Emilio Rapizzi** - Efficacy and safety of pars plana vitrectomy and filtered air in the management of complex rhegmatogenous retinal detachment
10:55 **Tommaso Rossi** - Silicone Oil removal techniques: which is better?
11:00 Discussion
11:05 **Dino Vaiano** - Ocular hypotony

SUNDAY DECEMBER 11

CAVALIERI I ROOM

- 11:10 **Vincenza Bonfiglio** - Subretinal fluid drainage during vitrectomy for the primary repair of rhegmatogenous retinal detachment: comparative study
- 11:15 **Saudita Hassan Dibhi** - The Role of SB with Small Gauge Vitrectomy
- 11:20 **Tito Fiore** - In vivo visualization of the photoreceptors using Spectralis High Magnification Module (HMM) imaging in retinal detachment
- 11:25 Discussion

11.30-12.30 RETINAL PROSTHESIS

Chairs: STANISLAO RIZZO, GRAZIA PERTILE

- 11:30 **Stanislao Rizzo** - PROSTHESIS
- 11:36 **Fabio Patelli** - Vision surgical systems for low vision AMD patients
- 11:42 **Marco Andrea Pileri** - Focus on DMS: new prospective on the present and future of artificial retina. The PRIMavera project
- 11:48 **Richard Gisbert** - Functional results after implantation of a Retina Chip: what are the Limitations?
- 11:56 Discussion
- 12:04 **Yannick Le Mer** - Restoration of central vision in geographic atrophy with PRIMA chip
- 12:10 **Alfonso Savastano** - Real-life experience results using the SING (Smaller-Incision New-Generation) implantable miniature telescope (IMT)
- 12:16 **Grazia Pertile** - Liquid retina
- 12:22 Discussion


12.30-13.35 SCLERAL FIXATION IOL

Chairs: STRATOS GOTZARIDIS, PAOLO LANZETTA, DANIELE TOGNETTO

- 12:30 **Francesco Barca** - Trans-scleral plugs fixated IOL: a new paradigm for sutureless scleral fixation
- 12:35 **Vincenzo Ferrara** - Lost IOLs: logic and technique of strategies
- 12:40 **Fabrizio Giansanti** - EDOF monofocal lenses in combined cataract and macular pucker surgery: useful or useless choice?
- 12:45 Discussion
- 12:50 **Stratos Gotzaridis** - Five years experience of placing Cerleval intraocular lenses
- 12:55 **Paolo Lanzetta** - Combined transconjunctival sutureless 25-ga vitrectomy and scleral fixation of intraocular lens
- 13:00 **Yusuke Oshima** - Surgical tips and outcomes of IOL intrascleral fixation for the treatment of dislocated IOL and crystalline lens
- 13:05 Discussion
- 13:10 **Fabio Patelli** - Secondary IOL implant, which is the best option
- 13:15 **Emilio Rapizzi** - Evaluation of visual outcomes and complications of a suture-less scleral fixation IOL
- 13:20 **Andrea Scupola** - Combined transconjunctival sutureless three-port vitrectomy and scleral fixation of intraocular lens: a novel tool in correcting aphakia with no capsular support
- 13:25 **Daniele Tognetto** - Sutureless scleral fixation IOL: pitfalls and solutions
- 13:30 Discussion

LEONARDO ROOM

09.15-10.15 NURSES COURSE



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