

GIACINTO TRIOLO, MD, FEBOphth***EDUCATION and TRAINING***

Completion date (duration)	Type of training or degree	Field	Location
July 2021	National Scientific Habilitation for Associate Professor	Ophthalmology	Italian Ministry of University and Research
July 2019 (12 months)	Clinical and Research Fellowship	Glaucoma	Moorfields Eye Hospital London, UK
May 2018	Fellow of the European Board of Ophthalmology (FBO)	Ophthalmology	Paris, France
July 2018 (11 months)	Clinical Fellowship	Glaucoma (80%) Neuro-ophthalmology (20%)	Royal Victoria Infirmary Newcastle upon Tyne, UK
May 2017	Medical license to practice in the UK, registered on the Specialist Register for Ophthalmology (GMC ref. 7578339)	Medicine/Ophthalmology	General Medical Council of the United Kingdom
July 2016 (5 years)	Residency	Ophthalmology	San Raffaele University Hospital Milan, Italy
May 2016 (20 months)	Research Fellowship	Glaucoma	Bascom Palmer Eye Institute Miami, FL, USA
September 2010 (6 years)	Medical Degree	Medicine	San Raffaele University Hospital Milan, Italy

WORK EXPERIENCE

From – to	Job title	Location
September 2024 – present	Assistant Professor of Ophthalmology	University of Pavia, Italy
September 2023 - present	Glaucoma Consultant	Fondazione IRCCS Policlinico San Matteo Pavia, Italy

CV G Triolo_February 2025

November 2019 – July 2023	Glaucoma Consultant	Fatebenefratelli and Ophthalmic Hospital University of Milan, Italy
August 2018 – July 2019	Glaucoma Fellow	Moorfields Eye Hospital London, UK
September 2017 – July 2018	Glaucoma and Neuro-ophthalmology Fellow	Royal Victoria Infirmary Newcastle upon Tyne, UK
August 2016 – August 2017	Glaucoma Attending Physician	San Raffaele University Hospital Milan, Italy
August 2015 – May 2016	Senior Research Associate	Bascom Palmer Eye Institute Miami, FL, USA
July 2014 – July 2015	Research Fellow	Bascom Palmer Eye Institute Miami, FL, USA

CLINICAL AND SURGICAL EXPERIENCE

- Glaucoma clinics: high experience, including particularly complex cases
- Cataract clinics: high experience, including complex cases
- Neuro-Ophthalmology clinics: good experience
- Laser clinics: wide experience in YAG laser procedures (anterior and posterior capsulotomy, peripheral iridotomy), selective laser trabeculoplasty
- Cataract surgery: wide experience
- Glaucoma surgery: wide experience
 - minimally invasive bleb surgery (Xen Gel implant, Preserflo Microshunt implant)
 - trabeculectomy augmented with mitomycin C
 - implant of glaucoma drainage devices, including Ahmed Glaucoma Valve, Baerveldt Glaucoma Implant, PAUL Glaucoma Implant
 - diode laser cyclophotocoagulation

PUBLICATIONS

1. Carassa RG, Corsini G, **Triolo G**. Long-term effectiveness and safety of XEN45 in open-angle glaucoma patients. *Int Ophthalmol*. 2024 Jul 4;44(1):310. doi: 10.1007/s10792-024-03234-2. PMID: 38960998.
2. Rabiolo A, **Triolo G**, Khalilieh D, Jin SW, Morales E, Ghirardi A, Anand N, Montesano G, Virgili G, Caprioli J, De Cilla S. Hypotony Failure Criteria in Glaucoma Surgical Studies and Their Influence on Surgery Success. *Ophthalmology*. 2024 Jan 8;S0161-6420(24)00017-4. doi: 10.1016/j.ophtha.2024.01.008.
3. Rabiolo A, Toscani R, Sacchi M, Destefanis P, Bettin P, Ciampi C, Clemente A, Cutolo CA, Mercieca K, Iester M, Traverso CE, Di Maita M, Li Calzi G, Nucci P, Bandello F, **Triolo G**, De Cilla S. Risk Factors for Failure in Glaucoma Patients Undergoing Microshunt Implantation. *Am J Ophthalmol*. 2024 Mar;259:117-130. doi: 10.1016/j.ajo.2023.11.011. Epub 2023 Nov 17. PMID: 37979601
4. **Triolo G**, Wang J, Aguilar-Munoz S, Jayaram H, Barton K. Preserflo microshunt implant for the treatment of refractory uveitic glaucoma: 36-month outcomes. *Eye (Lond)*. 2022 Dec 28. doi: 10.1038/s41433-022-02368-w. Online ahead of print. PMID: 36577805

5. Rabiolo A, Fantaguzzi F, Montesano G, Brambati M, Sacconi R, Gelormini F, **Triolo G**, Bettin P, Querques G, Bandello F. Comparison of Retinal Nerve Fiber Layer and Ganglion Cell-Inner Plexiform Layer Thickness Values Using Spectral-Domain and Swept-Source OCT. *Transl Vis Sci Technol*. 2022 Jun 1;11(6):27. doi: 10.1167/tvst.11.6.27.
6. Rabiolo A, Fantaguzzi F, Sacconi R, Gelormini F, Borrelli E, **Triolo G**, Bettin P, McNaught A, Caprioli J, Querques G, Bandello F. Combining Structural and Vascular Parameters to Discriminate among Glaucoma Patients, Glaucoma Suspects, and Healthy Subjects. *Transl Vis Sci Technol*. 2021 Dec 1;10(14):20. doi: 10.1167/tvst.10.14.20. PMID: 34928324
7. Lasagni Vitar RM, **Triolo G**, Fonteyne P, Acuti Martellucci C, Manzoli L, Rama P, Ferrari G. Epidemiology of Corneal Neovascularization and Its Impact on Visual Acuity and Sensitivity: A 14-Year Retrospective Study. *Front Med (Lausanne)*. 2021 Oct 14;8:733538. doi: 10.3389/fmed.2021.733538. PMID: 34722575; PMCID: PMC8551447.
8. **Triolo G**, Barboni P, Savini G, De Gaetano F, Monaco G, David A, Scialdone A. The Use of Anterior-Segment Optical-Coherence Tomography for the Assessment of the Iridocorneal Angle and Its Alterations: Update and Current Evidence. *J Clin Med*. 2021 Jan 11;10(2):231. doi: 10.3390/jcm10020231.
9. Pellegrini M, Vagge A, Ferro Desideri LF, Bernabei F, **Triolo G**, Mastropasqua R, Del Noce CD, Borrelli E, Sacconi R, Iovino C, Di Zazzo AD, Forlini M, Giannaccare G. Optical Coherence Tomography Angiography in Neurodegenerative Disorders. *J Clin Med*. 2020;9(6):E1706. doi:10.3390/jcm9061706
10. Iovino C, Mastropasqua R, Lupidi M, Bacherini D, Pellegrini M, Bernabei F, Borrelli E, Sacconi R, Carnevali A, D'Aloisio R, Cerquaglia A, Finocchio L, Govetto A, Erba S, **Triolo G**, Di Zazzo A, Forlini M, Vagge A, Giannaccare G. Intravitreal Dexamethasone Implant as a Sustained Release Drug Delivery Device for the Treatment of Ocular Diseases: A Comprehensive Review of the Literature. *Pharmaceutics*. 2020 Jul 26;12(8):703. doi: 10.3390/pharmaceutics12080703.PMID: 32722556
11. Koh V, Chew P, **Triolo G**, Lim KS, Barton K. Treatment Outcomes Using a Novel Glaucoma Tube Shunt to Control Intraocular Pressure in Eyes with Refractory Glaucoma. *Ophthalmol Glaucoma*. 2020 Sep-Oct;3(5):350-359. doi: 10.1016/j.ogla.2020.05.001. Epub 2020 May 11.PMID: 32980037
12. Gordon PS, Kostic M, Monsalve PF, **Triolo G**, Golubev L, Luna G, Ventura LM, Feuer WJ, Porciatti V. Long-term PERG monitoring of untreated and treated glaucoma suspects. *Doc Ophthalmol*. 2020 Mar 9. doi: 10.1007/s10633-020-09760-5.
13. Iovino C, Pellegrini M, Bernabei F, Borrelli E, Sacconi R, Govetto A, Vagge A, Di Zazzo A, Forlini M, Finocchio L, Carnevali A, **Triolo G**, Giannaccare G. Choroidal Vascularity Index: An In-Depth Analysis of This Novel Optical Coherence Tomography Parameter. *J Clin Med*. 2020 Feb 21;9(2).
14. **Triolo G**, Rabiolo A. Optical coherence tomography and optical coherence tomography angiography in glaucoma: diagnosis, progression, and correlation with functional tests. *Ther Adv Ophthalmol*. 2020 Jan 17;12:2515841419899822.
15. Vazquez LE, Mwanza JC, **Triolo G**, Monsalve P, Feuer WJ, Parrish RK, Anderson DR, Budenz DL. Separation and Thickness Measurements of Superficial and Deep Slabs of the Retinal Nerve Fiber Layer in Healthy and Glaucomatous Eyes. *Ophthalmology Glaucoma* 2019 Dec;3(1):66-75.
16. Sii S, **Triolo G**, Barton K. Case series of hypotony maculopathy after CyPass insertion treated with intra-luminal suture occlusion. *Clin Exp Ophthalmol*. 2019 Jul;47(5):679-680. doi: 10.1111/ceo.13459. Epub 2019 Jan 29. PMID:30552745
17. Rabiolo A, Gelormini F, Sacconi R, Cicinelli MV, **Triolo G**, Bettin P, Nouri-Mahdavi K, Bandello F, Querques G. Comparison of methods to quantify macular and peripapillary vessel density in optical coherence tomography angiography. *PLoS One*. 2018 Oct 18;13(10):e0205773.
18. Borrelli E, Balasubramanian S, **Triolo G**, Barboni P, Sadda SR, Sadun AA. Topographic Macular Microvascular Changes and Correlation with Visual Loss in Chronic Leber's Hereditary Optic Neuropathy. *Am J Ophthalmol*. 2018 Jun 6. pii: S0002-9394(18)30261-7. doi: 10.1016/j.ajo.2018.05.029. PMID: 29885298
19. Balducci N, Cascavilla ML, Ciardella A, La Morgia C, **Triolo G**, Parisi V, Bandello F, Sadun AA, Carelli V, Barboni P. Peripapillary vessel density changes in Leber's Hereditary Optic Neuropathy: a new biomarker. *Clin Exp Ophthalmol*. 2018 May 22. doi: 10.1111/ceo.13326. PMID: 29790285
20. Rabiolo A, Gelormini F, Marchese A, Cicinelli MV, **Triolo G**, Sacconi R, Querques L, Bandello F, Querques G. Macular Perfusion Parameters in Different Angiocube Sizes: Does The Size Matter in Quantitative Optical Coherence Tomography Angiography? *Invest Ophthalmol Vis Sci*. 2018 Jan 1;59(1):231-237. PMID: 29340651
21. **Triolo G**, Rabiolo A, Shemonski ND, Fard A, Di Matteo F, Sacconi R, Bettin P, Magazzeni S, Querques G, Vazquez LE, Barboni P, Bandello F. Optical Coherence Tomography Angiography Macular and Peripapillary Vessel Perfusion Density in Healthy Subjects, Glaucoma Suspects, and Glaucoma Patients. *Invest Ophthalmol Vis Sci*. 2017 Nov 1;58(13):5713-5722. PMID: 29114838

22. Cascavilla ML, Parisi V, **Triolo G**, Ziccardi L, Borrelli E, Di Renzo A, Balducci N, Lamperti C, Bianchi Marzoli S, Darvizeh F, Sadun AA, Carelli V, Bandello F, Barboni P. Retinal dysfunction characterizes subtypes of dominant optic atrophy. *Acta Ophthalmol.* 2017 Sep 19. PMID: 28926202
23. Monsalve P, **Triolo G**, Toft-Nielsen J, Bohorquez J, Henderson AD, Delgado R, Miskiel E, Ozdamar O, Feuer WJ, Porciatti V. Next Generation PERG Method: Expanding the Response Dynamic Range and Capturing Response Adaptation. *Transl Vis Sci Technol.* 2017 May 22;6(3):5. PMID: 28553559
24. Porciatti V, Feuer WJ, Monsalve P, **Triolo G**, Vazquez L, McSoley J, Ventura LM. Head-down Posture in Glaucoma Suspects Induces Changes in IOP, Systemic Pressure, and PERG That Predict Future Loss of Optic Nerve Tissue. *J Glaucoma.* 2017 May;26(5):459-465. PMID: 28263259
25. Borrelli E, **Triolo G**, Cascavilla ML, La Morgia C, Rizzo G, Savini G, Balducci N, Nucci P, Giglio R, Darvizeh F, Parisi V, Bandello F, Sadun AA, Carelli V, Barboni P. Changes in Choroidal Thickness follow the RNFL Changes in Leber's Hereditary Optic Neuropathy. *Sci Rep.* 2016 Nov 17;6:37332. PMID: 27853297
26. Balducci N, Savini G, Cascavilla ML, La Morgia C, **Triolo G**, Giglio R, Carbonelli M, Parisi V, Sadun AA, Bandello F, Carelli V, Barboni P. Macular Nerve Fiber and Ganglion Cell Layers changes in Acute Leber's Hereditary Optic Neuropathy. *Br J Ophthalmol.* 2015 Nov 27. PMID: 26614631
27. Parodi MB, Iacono P, Del Turco C, **Triolo G**, Bandello F. Functional assessment of the fundus autofluorescence pattern in Best vitelliform macular dystrophy. *Graefes Arch Clin Exp Ophthalmol.* 2015 Oct 21. PMID: 26490373
28. Battaglia Parodi M, La Spina C, **Triolo G**, Ricciari F, Pierro L, Gagliardi M, Bandello F. Correlation of SD-OCT findings and visual function in patients with retinitis pigmentosa. *Graefes Arch Clin Exp Ophthalmol.* 2015 Oct 16.
29. Parodi MB, **Triolo G**, Morales M, Borrelli E, Cicinelli MV, Cascavilla ML, Bandello F. MP1 and MAIA fundus perimetry in healthy subjects and patients affected by retinal dystrophies. *Retina.* 2015 Aug;35(8):1662-9.
30. Bandello F, Parravano M, Cavallero E, Cascavilla ML, **Triolo G**, Querques L, Borrelli E, Giorno P, Varano M, Lattanzio R, Querques G. Prospective Evaluation of Morphological and Functional Changes after Repeated Intravitreal Dexamethasone Implant (Ozurdex®) for Retinal Vein Occlusion. *Ophthalmic Res.* 2015 Apr 16;53(4):207-216. PMID: 25896233
31. Parodi MB, Iacono P, **Triolo G**, La Spina C, Zucchiatti I, Cicinelli MV, Borrelli E, Manitto MP, Martina E, Bandello F. Morpho-functional correlation of fundus autofluorescence in Stargardt disease. *Br J Ophthalmol.* 2015 Apr 2. PMID: 25837607
32. Introini U, Casalino G, **Triolo G**, O'Shaughnessy D, Shusterman EM, Chakravarthy U, Slakter JS, Bandello F. Stereotactic radiotherapy for polypoidal choroidal vasculopathy: a pilot study. *Ophthalmologica.* 2015;233(2):82-8. PMID: 25402871
33. Casalino G, Querques G, Corvi F, Borrelli E, **Triolo G**, Ramirez GA, Bandello F. Choroidal neovascularization in a patient with Crohn's disease. *Case Rep Ophthalmol.* 2014 Aug 4;5(2):249-54. PMID: 25232338
34. De Benedetto U, Querques G, Lattanzio R, Borrelli E, **Triolo G**, Maestranzi G, Calori G, Querques L, Bandello F. MACULAR DYSFUNCTION IS COMMON IN BOTH TYPE 1 AND TYPE 2 DIABETIC PATIENTS WITHOUT MACULAR EDEMA. *Retina.* 2014 Jun 23. PubMed PMID: 24978668.
35. Querques G, Cascavilla ML, Cavallero E, **Triolo G**, Querques L, Lattanzio R, Cicinelli MV, Preziosa C, Borrelli E, Bandello F. Changes in macular function after ozurdex for retinal vein occlusion. *Optom Vis Sci.* 2014 Jul;91(7):760-8. PubMed PMID: 24927143.
36. Barboni P, Savini G, Cascavilla ML, Caporali L, Milesi J, Borrelli E, La Morgia C, Valentino ML, **Triolo G**, Lembo A, Carta A, De Negri A, Sadun F, Rizzo G, Parisi V, Pierro L, Marzoli SB, Zeviani M, Sadun AA, Bandello F, Carelli V. Early macular retinal ganglion cell loss in dominant optic atrophy: genotype-phenotype correlation. *Am J Ophthalmol.* 2014 Jun 4. PMID: 24907432.
37. **Triolo G**, Ferrari G, Doglioni C, Rama P. In vivo confocal microscopy in Goldenhar syndrome: a case report. *BMC Ophthalmol.* 2013 Oct 16;13:55. PubMed PMID: 24131730
38. Parodi MB, Iacono P, Campa C, La Spina C, **Triolo G**, Lattanzio R, Bandello F. Dexamethasone tachyphylaxis in the treatment of macular oedema. *Acta Ophthalmol.* 2014 May;92(3):e243-4. PubMed PMID:24020627.
39. **Triolo G**, Pierro L, Parodi MB, De Benedetto U, Gagliardi M, Manitto MP, Bandello F. Spectral domain optical coherence tomography findings in patients with retinitis pigmentosa. *Ophthalmic Res.* 2013;50(3):160-4. PMID: 23989166.

40. Querques G, Lattanzio R, Querques L, **Triolo G**, Cascavilla ML, Cavallero E, Del Turco C, Casalino G, Bandello F. Impact of intravitreal dexamethasone implant (Ozurdex) on macular morphology and function. *Retina*. 2014 Feb;34(2):330-41. PMID: 23945638.
41. Querques G, **Triolo G**, Casalino G, García-Arumí J, Badal J, Zapata M, Boixadera A, Castillo VM, Bandello F. Retinal venous occlusions: diagnosis and choice of treatments. *Ophthalmic Res*. 2013;49(4):215-22. PMID: 23406678.
42. Querques L, Querques G, Cascavilla ML, **Triolo G**, Lattanzio R, Intorini U, Bandello F. Natural course of photic maculopathy secondary to uncomplicated cataract surgery. *Clin Exp Optom*. 2014 Mar;97(2):175-7. PMID: 23331278.

FUNDING INFORMATION [grants as principal investigator (PI) or investigator (I)]

- 2011, "*Cortical reorganization in patients with hereditary retinal dystrophies using functional Magnetic Resonance Imaging*". Research project winning the Scientific Research Prize of the Italian Society of Ophthalmology 2011 Edition. PI: Dr. Stefania Bianchi Marzoli. Role: Investigator. Sponsor: Italian Society of Ophthalmology. Grant value: Euros 15.000,00
- 2014, "*Stop Retinal Ganglion Cell Dysfunction Study*" (NIH #5R01EY014957-10). PI: Prof. Vittorio Porciatti (Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, Florida, USA). Role: investigator. Sponsor: National Institute of Health (NIH), USA. Total grant value: US Dollars 2.000.000,00. (<https://grantome.com/grant/NIH/R01-EY014957-10>).

TRIALS [as principal investigator (PI) or investigator (I)]

- 2013, "IRay Plus Anti-VEGF Treatment For Patients With Wet AMD (INTREPID)" (ClinicalTrials.gov #NCT01016873). A Double-masked, Sham Controlled, Dose-ranging Study to Evaluate the Safety and Effectiveness of Low Voltage Stereotactic Radiosurgery in Patients With Choroidal Neovascularization (CNV) Secondary to Age-related Macular Degeneration (AMD). Role: Investigator, member of the INTREPID Study Group. PI: Prof. Francesco Bandello (Vita-Salute San Raffaele University, Milan). Sponsor: Oraya Therapeutics, Inc.
- 2014, "*Stop Retinal Ganglion Cell Dysfunction Study*" (NIH #5R01EY014957-10, ClinicalTrials.gov #NCT02390284). Role: Investigator. PI: Prof. Vittorio Porciatti (Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Florida, USA). Sponsor: University of Miami Miller School of Medicine, Miami, FL, and National Institute of Health (NIH), USA.
- 2015, "Post Authorisation Safety Study With Raxone in LHON Patients (PAROS)" (ClinicalTrials.gov #NCT02771379). Multicentre, prospective, non-interventional post-authorisation safety study (PASS) of the clinical outcomes for patients with Leber's Hereditary Optic Neuropathy (LHON) treated with Raxone®. Role: Investigator. PI: Dott. Piero Barboni (Vita-Salute San Raffaele University, Milan). Sponsor: Santhera Pharmaceuticals.
- 2019, "Treatment of Advanced Glaucoma Study (TAGS)" (ISRCTN 56878850). A multicentre randomised controlled trial comparing primary medical treatment with primary trabeculectomy for people with newly diagnosed advanced glaucoma. Role: Investigator. PI: Prof. Anthony King (Nottingham University Hospital, Nottingham, UK).
- 2019, "A Randomized Study Comparing the Safety and Efficacy of the InnFocus MicroShunt™ Glaucoma Drainage System to Standard Trabeculectomy In Subjects With Primary Open Angle Glaucoma (INN005)"

CV G Triolo_February 2025

(ClinicalTrials.gov #NCT01881425). A prospective, randomized, controlled, multicenter, study, comparing the Safety and Efficacy of the InnFocus MicroShunt™ Glaucoma Drainage System to Standard Trabeculectomy In Subjects With Primary Open Angle Glaucoma.

Role: Investigator. PI: Prof. Paul Palmberg (Bascom Palmer Eye Institute, University of Miami Miller School of Medicine, Miami, USA). Sponsor: InnFocus Inc.

- 2019, "Treatment Outcomes of a Novel Glaucoma Tube Shunt Implant for Intraocular Pressure Control in Eyes With Refractory Glaucoma". A multicentre, prospective, observational trial to evaluate the Efficacy of the Paul Glaucoma Implant in patients with refractory glaucoma.
Role: Investigator, international member of the Paul Glaucoma Implant Study Group. PI: Dr. Victor Koh, MBBS, MMed (National University Hospital, Singapore). Sponsor: National University Hospital, Singapore.
- 2022, "Fully automated segmentation of retinal nerve fiber layer excluding retinal blood vessels: integrating OCT and OCT Angiography using a deep-learning approach". A prospective, non-interventional study to develop an automated segmentation software using a deep-learning approach able to exclude the large and small peripapillary retinal vessels from the retinal nerve fiber layer thickness measurement.
Role: Principal Investigator. Sponsor: University of Milan.
- 2023, "PAUL glaucoma implant European registry". Role: Principal Investigator. Sponsor: None.
- 2024, "OMK1P3". A phase III multicenter, double-blind, randomized, placebo-controlled, parallel-group trial of the efficacy of citicoline eye drops 2% on visual field preservation in patients with open angle glaucoma.
Role: Investigator. Sponsor: Omikron Italia S.r.l.

TEACHING EXPERIENCE

- 2024-ongoing: Docente presso l'Università degli Studi di Pavia, lezioni tenute agli studenti del Corso di Laurea Magistrale in Medicina e Chirurgia ed agli Specializzandi in Oftalmologia, titolare delle lezioni di pertinenza oculistica dei Corsi di Laurea in Tecniche di Neurofisiopatologia e Medicina Occupazionale
- 2024, Master di II livello in Malattie del Nervo Ottico organizzato dall'Università Vita-Salute San Raffaele, Milano, Italy
Title: Imaging of the glaucomatous optic disc: diagnosis and differential diagnosis
- 2024, European School of Advanced Studies in Ophthalmology (ESASO), Parma, Italy.
Intermediate glaucoma course.
Instructor during surgical glaucoma wetlab.
- 2023, European School of Advanced Studies in Ophthalmology (ESASO), Parma, Italy.
Basic glaucoma course.
Title #1: More than just eye drops: slow-release drug delivery systems and laser treatments
Title #2: What type of surgery?
Title #3: To MIGS or not to MIGS?
Instructor during surgical glaucoma wetlab.
- 2022, Centro Italiano Glaucoma (CIG), Milano, Italy.
Il glaucoma da chiusura d'angolo: una forma frequente ma spesso non diagnosticata.
Title #1: Epidemiologia e classificazione del glaucoma da chiusura d'angolo.
Title #2: La gonioscopia: un'indagine obsoleta che oggi è superata dall'imaging del segmento anteriore?
Title #3: Il problema dei conservanti nella tollerabilità della terapia
- 2022, European School of Advanced Studies in Ophthalmology (ESASO), Lugano, Switzerland.
Basic glaucoma course.

CV G Triolo_February 2025

Title #1: 'Way-points' of anti-glaucoma surgery.

Title #2: What type of surgery?

Instructor during surgical glaucoma wetlab.

- 2022, European School of Advanced Studies in Ophthalmology (ESASO), Lugano, Switzerland. Glaucoma e-course, specifically organized for ophthalmologist from Latin America. Moderator of the entire day, including the surgical session. Title of presentation: Anesthesia in glaucoma surgery.
- 2021, European School of Advanced Studies in Ophthalmology (ESASO), Lugano, Switzerland. Intermediate-advanced cataract and intraocular refractive surgery. Title #1: Management of intraoperative floppy iris syndrome (IFIS). Title #2: Toxic Anterior Segment Syndrome (TASS).
- 2021, European School of Advanced Studies in Ophthalmology (ESASO), Lugano, Switzerland. Special Programme: Glaucoma in vitreoretinal surgery. Title #1: Fundamentals in glaucoma medical treatment. Title #2: Alternative surgical approaches.
- 2021, e-course for Italian Ophthalmologists. Management of glaucomatous patients. Title: Structure-function relationship in glaucoma.
- 2018, Royal Victoria Infirmary, Newcastle upon Tyne NHS Foundation Trust, Newcastle upon Tyne, UK. Teaching session for optometrists, technicians, medical staff, ophthalmology residents. Title: Interpretation of OCT and visual field in the diagnosis of glaucoma.
- 2016, Vita-Salute San Raffaele University, Milan, Italy. Teaching session for medical students. Title: Optic nerve: anatomy and pathology.
- 2016, Vita-Salute San Raffaele University, Milan, Italy. Teaching session for medical students. Title: Optic neuropathies.
- 2015, University of Miami Miller School of Medicine, Bascom Palmer Eye Institute, Miami, FL, USA. Teaching session for undergraduates and medical students. Title: Ganglion Cell-Inner Plexiform Layer (GCIPL) vs. Retinal Nerve Fiber Layer (RNFL) Thinning in glaucoma: which comes first?

SCIENTIFIC MEETINGS

ESASO International Glaucoma Forum – Parma, 13-15 Febbraio 2025

- Scientific Co-coordinator
- Session moderator and expert clinical cases discussion

ESASO International Course – Latest trends in Glaucoma and Retinal diseases, Lisbon, Portugal, November 2024

- Course Scientific Coordinator
- G. Triolo. Introduction to workshop activity.
- G. Triolo. Interpreting structural damage in glaucoma: GCL, RNFL, BMO-MRW. Oral presentation.
- G. Triolo. Round-up and closing remarks.

Società Italiana di Diagnostica per Immagini e Perimetria (SIIPe), Mestre, Italia, October 2024

- Triolo G. "Imaging avanzato nella terapia: serve?". Oral Presentation. Invited speaker.

CV G Triolo_February 2025

Corso educational della Società Italiana Glaucoma (SIGLA): Algoritmi diagnostici per il glaucoma - Up to date, Roma, Italia, July 2024

- Course Scientific Director
- Triolo G. Valutazione del danno strutturale nel glaucoma: OCT delle fibre nervose retiniche e delle cellule ganglionari. Presentazione orale.

Congresso Nazionale della Società Italiana Glaucoma, Bari, Italia, June 2024

- Triolo G. Live surgery session. Role: first surgeon PAUL Glaucoma Implantation from the Operating Rooms Policlinico Universitario, Bari, Italy

European Glaucoma Society (EGS) 2024 meeting – Dublin, Ireland, June 2024

- Triolo G. “Italian perspective in organizing glaucoma care”. Oral presentation, co-chair, at the EGS-ESASO symposium.
- Instructor in the dry lab for Minimally Invasive Glaucoma Surgery procedures

Maggio 2024 – ARVO 2024 annual meeting – Seattle (CO), USA

- Servillo A, **Triolo G**, Montesano G, Virgili G, De Cillà S, Rabiolo A. “Evaluating high intraocular pressure criteria used to defined failure in glaucoma surgery studies”. Poster presentation.

World Glaucoma Congress 2023 – Rome, Italy

- **Triolo G**. “Paul Glaucoma Implant: experience from an early adopter”. Invited speaker at the “PAUL Glaucoma Implant expert meeting”.
- **Triolo G**, Corsini G, Carassa R. “Preserflo MicroShunt for the treatment of refractory glaucoma: 24-month outcomes”.
- Carassa R, Corisini G, **Triolo G**. “Phaco-Xen surgery in uncontrolled glaucoma patients: 6 years results”.
- **Triolo G**, Ghirardi A, Montesano G, Nitin A, Virgili G, De Cillà S, Rabiolo A. “Assessing Hypotony Definitions used as Failure Criteria in Glaucoma Surgical Studies”. Abstract accepted.
- Rabiolo A, **Triolo G**, Ghirardi A, Montesano G, Nitin A, Virgili G, De Cillà S. “Impact of Different Literature-based Hypotony Failure Criteria on Success Rates of Glaucoma Surgery”. Abstract accepted.

XIX Congresso Nazionale Società Italiana Glaucoma (S.I.GLA.) – 15-17/06/2023, Torino, Italy

- **Triolo G**. “Casi(ni) clinici: cosa ho fatto che non rifarei più”.

2° Congresso Nazionale della Società Italiana di Scienze Oftalmologiche (SISO) – 18-20/05/2023, Rome, Italy

- **Triolo G**. Sessione: “Intelligenza artificiale: utilità cliniche e potenzialità”. Titolo: “Applicazioni nel glaucoma”.
- **Triolo G**. Sessione: “Angolo stretto: dalla diagnosi alla terapia”. Titolo: “Gonioscopia e imaging angolare”.
- **Triolo G**. Sessione: “Nuovi approcci diagnostici e terapeutici in neuro-oftalmologia: giovani ricercatori”. Titolo: “Integrazione OCT e OCTA per analisi RNFL con esclusione dei vasi”.

ARVO 2023 annual meeting – New Orleans (LA), USA

- **Triolo G**, Ghirardi A, Montesano G, Nitin A, Virgili G, De Cillà S, Rabiolo A. “Assessing Hypotony Definitions used as Failure Criteria in Glaucoma Surgical Studies”. Abstract accepted.
- Rabiolo A, **Triolo G**, Ghirardi A, Montesano G, Nitin A, Virgili G, De Cillà S. “Impact of Different Literature-based Hypotony Failure Criteria on Success Rates of Glaucoma Surgery”. Abstract accepted.

1° Congresso Nazionale della Società Italiana di Scienze Oftalmologiche (SISO) – 19-21/05/2022, Rome, Italy

- **Triolo G.** “Lo studio della perfusione oculare”.
- **Triolo G.** “Gestione intraoperatoria di pupille strette ed intraoperative floppy iris syndrome (IFIS)”.

European Glaucoma Society (EGS) 2022 meeting – Athens, Greece

- Folegani V, Airaldi M, Oakley JD, Bochicchio S, Dipinto A, Prandoni S, Staurengi G, **Triolo G.** Automated segmentation of retinal nerve fiber layer excluding retinal blood vessels: integrating OCT and OCT Angiography”.

ARVO 2022 annual meeting – Denver (CO), USA

- Airaldi M, Oakley JD, Bochicchio S, Dipinto A, Prandoni S, Staurengi G, **Triolo G.** “Automated segmentation of retinal nerve fiber layer excluding retinal blood vessels: integrating OCT and OCT Angiography”. Abstract accepted.

American Glaucoma Society (AGS) 2020 meeting – Washington D.C., USA

- **Triolo G,** Victor Koh V, Aquino C, Ho H, Tantisevi V, Rojanapongpun P, Fang SK, Chan P, Tham C, Lim S, Chew P, Barton K. “PAUL Glaucoma Implant in the surgical management of refractory glaucoma: 12-month safety and efficacy outcomes of a novel aqueous shunt implant”.
- Wang J, **Triolo G,** Jayaram H, Barton K. “PRESERFLO MicroShunt for the surgical treatment of Refractory Secondary Glaucoma”.

American Academy of Ophthalmology (AAO) 2019 annual meeting – San Francisco (CA), USA

- **Triolo G,** Jayaram H, Gazzard G, Strouthidis N, Khaw PT, Barton K. “InnFocus MicroShunt for the treatment of glaucoma: safety and preliminary outcomes at 24 months”.

ARVO 2019 annual meeting – Vancouver, Canada

- **Triolo G,** Barton K, Gazzard G, Strouthidis N, Khaw PT, Jayaram H. “InnFocus MicroShunt for the treatment of POAG: safety and preliminary outcomes at 18 months”.

ARVO 2017 annual meeting – Baltimore (MD), USA

- **Triolo G,** Rabiolo A, Galasso M, De Vitis L, Sacconi R, Di Matteo F, Bettin P, Barboni P, Querques G, Bandello F, Vazquez LE. “Assessment of Peripapillary and Macular Vessel Density estimated with OCT-Angiography in Glaucoma Suspects and Glaucoma Patients”.

ARVO 2016 annual meeting – Seattle (WA), USA

- **Triolo G,** Feuer WJ, Monsalve P, Vazquez LE, McSoley JJ, Ventura LM, Porciatti V. “Ocular neurovascular changes during head-down posture predict future loss of optic nerve tissue in glaucoma suspects”.

American Glaucoma Society (AGS) 2016 meeting – Fort Lauderdale (FL), USA

- **Triolo G,** Vinod K, Sola del Valle D, Monsalve P, Forbes LA, Feuer WJ, Mwanza J-C, Budenz DL, and Vazquez LE. “Ganglion Cell – Inner Plexiform Layer or Retinal Nerve Fiber Layer: which one is affected first in Early Glaucoma?”.

CV G Triolo_February 2025

- Vazquez LE, Mwanza JC, Budenz DL, Feuer WJ, **Triolo G**, Monsalve P, Gedde SJ, Parrish RK. "Volume analysis for Superior and Inferior Arcade Retinal Nerve Fiber Bundles (rNFBs) from SD-OCT thickness maps: detection of early glaucoma".
- Monsalve P, Small LR, **Triolo G**, Vinod K, Sola del Valle D, Gedde SJ, Mwanza JC, Budenz DL, Vazquez LE. "Diagnostic Accuracy of Averaged Superior and Inferior rNFL and Supero- and Infero- Temporal GCIPL Thickness for Detection of Early Glaucoma".
- Capò-Reyes D, Monsalve P, **Triolo G**, Feuer WJ, Mwanza JC, Gedde S, Budenz DL, Vazquez LE. "Age-related thinning of retinal nerve fiber bundles measured with SD-OCT".
- Aranguren L, Feuer WJ, **Triolo G**, Monsalve P, Mwanza JC, Gedde S, Budenz DL, Vazquez LE. "Reproducibility and Dynamic Range of Arcade Retinal Nerve Fiber Bundle Volume Measurements in Glaucomatous Eyes".
- Solà Del Valle D, Mwanza JC, Feuer WJ, **Triolo G**, Monsalve P, Aranguren L, Gedde SJ, Budenz DL, Vazquez LE. "Correlation between Humphrey Visual Field Mean Deviation and SD-OCT Measurement of the Superior and Inferior Arcade Retinal Nerve Fiber Bundles in Glaucoma".

ARVO 2015 annual meeting – Denver (CO), USA

- **Triolo G**, Toft-Nielsen J, Monsalve P, Delgado R, Miskiel E, Ozdamar O, Bohorquez JE, Feuer WJ, McSoley J, Porciatti V. "Physiological and noise components of the PERG intrinsic variability".
- Monsalve P, Toft-Nielsen J, **Triolo G**, Delgado R, Miskiel E, Ozdamar O, Bohorquez JE, Feuer WJ, McSoley J, Porciatti V. "PERG intrinsic variability across dynamic range".
- Burke S, Feuer WJ, Gedde S, Parrish RK, Mwanza JC, Budenz DL, **Triolo G**, Monsalve P, Rojas MJ, Vazquez L. "Area and volume analysis of the superior and inferior retinal nerve fiber layer (rNFL) bundles from SD-OCT thickness maps: description of the methodology".
- Chu F, Feuer WJ, Mwanza JC, Budenz DL, **Triolo G**, Monsalve P, Parrish RK, Gedde S, Vazquez LE. "Area and volume analysis of the superior and inferior retinal nerve fiber layer (rNFL) bundles from SD-OCT thickness maps: correlation with thickness of the corresponding rNFL and ganglion cell-inner plexiform layer (GCIPL) sectors".
- Camp A, Feuer WJ, Mwanza JC, Budenz DL, **Triolo G**, Monsalve P, Parrish RK, Gedde S, Vazquez L. "Area and volume analysis of the superior and inferior retinal nerve fiber layer (rNFL) bundles from SD-OCT thickness maps: correlation with visual field mean deviation (VFMD) and optic nerve head measurements".
- Vazquez L, Feuer WJ, Mwanza JC, Budenz DL, **Triolo G**, Monsalve P, Gedde S, Parrish RK. "Area and volume analysis of the superior and inferior retinal nerve fiber layer (rNFL) bundles from SD-OCT thickness maps: detection of early, moderate, and severe glaucoma".
- Ferrari G, **Triolo G**, Bignami F, Paganoni G, Rama P. "Corneal angiogenesis, sensitivity, and visual acuity: a retrospective study".

NANOS 2015 meeting – San Diego (CA), USA

- **Triolo G**, Borrelli E, Cascavilla ML, Di Matteo F, Bettin P, Bandello F, Barboni P. "Optic nerve head and macular choroidal vascularization in patients affected by Normal Tension Glaucoma and Non-Arteritic Ischemic Optic Neuropathy: what do they share? What is different?"

CV G Triolo_February 2025

- Cascavilla ML, **Triolo G**, Parisi V, Borrelli E, La Morgia C, Sadun A, Bandello F, Carelli V, Barboni P. “Multifocal ERG shows pre-ganglion cells dysfunction in Dominant Optic Atrophy: genotype-phenotype correlation”.

North-American Neuro-Ophthalmology Society (NANOS) 2014 meeting – Puerto Rico

- **Triolo G**, Barboni P, Carelli V, Savini G, Cascavilla ML, Borrelli E, Carbonelli M, La Morgia C, Chicani H, Ramos do VF C, Salomao SR, Sebag J, Bandello F, Sadun AA. “Macular microcysts in mitochondrial optic neuropathies: a non-specific feature due to vitreous traction”

ARVO 2013 annual meeting – Seattle (WA), USA

- Introiini U, **Triolo G**, Casalino G, Bandello F. “IRay™ treatment of Polypoidal Choroidal Vasculopathy: a Pilot Study”.

ARVO 2012 annual meeting – Fort Lauderdale (FL), USA

- **Triolo G**, Bianchi Marzoli S, Cascavilla ML, Melzi L, Pierro L, Bandello F. “Standardized Automated Perimetry and OCT parameters correlation in patients with Dominant Optic Atrophy due to OPA1 mutation”.

Association for Research and Vision in Ophthalmology (ARVO) 2011 annual meeting – Fort Lauderdale (FL), USA

- **Triolo G**, Crespi S, Morrone MC, Gobbi PG, Falini A, Bandello F, Bianchi Marzoli S. “Multisensory cortical integration in patients with Hereditary Cone Dystrophy: an fMRI and DTI study”.

Pavia, February 20th 2025

Giacinto Triolo