

**EUROPEAN  
CURRICULUM VITAE  
FORMAT****Personal information**

Last name(s) / First name(s)

**Invernizzi Alessandro**, MD

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Alessandro.invernizzi@unimi.it

Nationality

Italian

Date of birth

December 14<sup>th</sup>, 1982, Rho (Milan) - Italy**Actual Occupation****Researcher – Assistant Professor**

Eye Clinic, Department of Biomedical and Clinical Science "Luigi Sacco", Luigi Sacco Hospital, University of Milan, Italy  
June 2016 – Ongoing

**Eye Doctor – Consultant and Person in charge for the Uveitis Service**

Eye Clinic, Department of Biomedical and Clinical Science, Luigi Sacco Hospital, university of Milan, Italy  
September 2018 - Ongoing

**Honorary Associate Professor**

Save Sight Institute - University of Sydney  
October 2018 - Ongoing

**Professional Experience**

<p>Dates</p>	July 2017 – June 2018
<p>Occupation or position held</p>	Clinical Research Research Professorial Fellow (Medical retina and Uveitis)
<p>Name and address of employer</p>	Sydney Eye Hospital, Sydney, NSW, Australia
<p>Dates</p>	July 2016 – June 2017
<p>Occupation or position held</p>	Research Fellow (Medical retina and Uveitis)
<p>Name and address of employer</p>	Save Sight Institute, University of Sydney, Sydney, NSW, Australia
<p>Dates</p>	March 2013 – March 2016
<p>Occupation or position held</p>	Eye Doctor - Retina Unit and Uveitis Service
<p>Name and address of employer</p>	Università degli Studi di Milano- A.O. Luigi Sacco Clinica Oculistica – Dipartimento Scienze Cliniche e Biomediche Luigi Sacco - Via G.B Grassi, 74 20157 Milano ITALY
<p>Dates</p>	Jan 2015 – May 2016
<p>Occupation or position held</p>	Research grant: “Ocular alterations in patients affected by Systemic Lupus Eritematosus”
<p>Name and address of employer</p>	Fondazione IRCCS Ca’ Granda - Ospedale Maggiore Policlinico Via Francesco Sforza, 2820122 Milano
<p>Dates</p>	Jan 2014 – Dec 2014
<p>Occupation or position held</p>	Research grant: “Viral Relapsing Uveitis”
<p>Name and address of employer</p>	Fondazione IRCCS Ca’ Granda - Ospedale Maggiore Policlinico Via Francesco Sforza, 2820122 Milano
<p>Dates</p>	March 2013– Dec 2013
<p>Occupation or position held</p>	Research grant: ““ Ocular surface management in patients affected by autoimmune diseases: the potential role of an “In vivo confocal assisted approach””
<p>Name and address of employer</p>	Fondazione IRCCS Ca’ Granda - Ospedale Maggiore Policlinico Via Francesco Sforza, 2820122 Milano
<p>Dates</p>	July 2012 – Dec 2012
<p>Occupation or position held</p>	Training/Research Observership

Name and address of employer	Retina and Uveitis Unit, Department of Ophthalmology, Advanced Eye Centre, Post Graduate Institute of Medical Education and Research (PGIMER), Chandigarh INDIA
Dates	September 2011 – May 2012
Occupation or position held	Research collaboration
Name and address of employer	Ambulatorio di Immunologia Oculare, Eye Unit, IRCCS Arcispedale Santa Maria Nuova ,Reggio Emilia ITALY
Dates	March 2008 – March 2012
Occupation or position held	Resident in school of ophthalmology - University of Milan Italy
Name and address of employer	Università degli Studi di Milano- A.O. Luigi Sacco Clinica Oculistica – Dipartimento Scienze Cliniche Luigi Sacco - Via G.B Grassi, 74 20157 Milano ITALY
Dates	September 2005 – March 2008
Occupation or position held	Internship
Name and type of organization providing education and training	Università degli Studi di Milano- A.O. Luigi Sacco Clinica Oculistica – Dipartimento Scienze Cliniche Luigi Sacco - Via G.B Grassi, 74 20157 Milano ITALY

**Education**

Dates	April 12, 2012
Title of qualification awarded	Postgraduate Specialization Degree in Ophthalmology
Name and type of organization providing education and training	University of Milan
Level in national or international classification	70/70 e Lode
Dates	17-03- 2008
Title of qualification awarded	Italian Professional License Registered at the "Albo dei Medici Chirurghi di Milano" Registration number: 41037
Name and type of organization providing education and training	University of Milan - Ordine Provinciale dei Medici Chirurghi e degli Odontoiatri di Milano
Dates	July 26 <sup>th</sup> , 2007
Title of qualification awarded	Degree in Medicine & Surgery
Name and type of organization providing education and training	University of Milan
Level in national or international classification	110/110 e Lode
Dates	2001
Title of qualification awarded	High School Degree
Name and type of organization providing education and training	Liceo Scientifico "Ettore Majorana" – Rho – Milan - Italy

## Main activities and responsibilities

### **CLINICAL SKILLS**

General Ophthalmic Training.

Specific field of interest: Medical Retina, Imaging, Uveitis.

Collaborating with Infectious and Tropical diseases department and HIV care service of Luigi Sacco Hospital for screening and assisting patients affected by infectious uveitis and HIV related eye complications.

Expert in immunosuppressive treatments for autoimmune ocular conditions

### **EXPERIENCE IN PERFORMING AND INTERPRETING**

Time and Spectral domain optical coherence tomography  
(Zeiss Stratus, HRA Spectralis, Zeiss Cirrus, Optovue RTVue and Nidek RS-3200),

Fluorescein and Indocyanine Green angiography  
(HRAI, II, Spectralis, Canon CX-1, Zeiss FF450)

Fundus autofluorescence, infrared retinography and color fundus photography;

OCT Angiography

Eye Ultrasonography

Performing corneal confocal microscopy. Performing HRT for Optic Nerve analysis.

### **LASER TREATMENTS and SURGICAL ACTIVITY**

Performing laser treatment including PDT, Retinal Pan-Photocoagulation, focal and grid argon laser therapy, barrage laser, yag-laser capsulotomy and yag-laser iridectomy.

Performing phaco-emulsification procedures as first operator (around 250 so far).

Performing intravitreal injections (anti-VEGF, anti-biotics, anti-viral).

Performing AC and Vitreous taps for intraocular fluids analysis

Main activities and responsibilities

**CLINICAL TRIALS SKILLS**

Good Clinical Practice (CGP) Certification 2010 e 2013

Certified as OCT technician by :

Fundus Photography Reading Center (FPRC) - University of Wisconsin – (for Pfizer Degas B0451004 protocol)

Duke Reading Centre (For OPH001 protocol)

Certified as Fundus Photographer technician by :

Duke Reading Centre (For Ophthotech - OPH001 protocol)

Certified as Angiography Photographer technician by :

Duke Reading Centre (For Ophthotech - OPH001 protocol)

Certified as Lens Opacity Evaluator technician by:

LOCS III Certification - Harvard Medical School – (for Thrombogenics TG-MV-002 protocol)

**Personal skills and competences**

Mother tongue(s)

Italian

Other language(s)

ENGLISH  
IELTS Test (2016) Overall Band Score 8.0 ( C1 )  
Listening 7.5; Reading 9; Writing 7.0; Speaking 7.5

Social skills and competences

Inclined to teamwork and personal interactions

Technical skills and competences

*With computers, specific kinds of equipment, machinery, etc.*

Microsoft Windows XP and Apple MacOSX operating systems  
Microsoft Office suite, Adobe Suite, iWork suite

Statistic Software: R

Artistic skills and competences

*Music, writing, design, etc.*

Interested in music and art.  
Good skills as photographer.

Driving Licence(s)

A, B

## Additional information

## Publications (1/7)

## First Author / co-author of the following publications:

- **Simultaneous Spectral-domain Optical Coherence Tomography and Retinal Imaging: Improvements in Retinal Examination** – A. Giani, M. Cereda, A. Invernizzi, M. Pellegrini, G. Staurenghi. *Retinal Physician*, June 2009 Issue.
- **Macular edema. Diagnosis and detection.** Staurenghi G, Invernizzi A, de Polo L, Pellegrini M. *Dev Ophthalmol.* 2010; 47:27-48.
- **Reproducibility of Retinal Thickness Measurements on Normal and Pathologic Eyes by Different Optical Coherence Tomography Instruments.** Giani A, Cigada M, Choudhry N, Deiro AP, Oldani M, Pellegrini M, Invernizzi A, Duca P, Miller JW, Staurenghi G. *Am J Ophthalmol.* 2010 Oct 19.
- **Diagnosis and detection.** Staurenghi G, Invernizzi A, de Polo L, Pellegrini M. *Eur J Ophthalmol.* 2010 Nov 11;21(S6):27-36.
- **Macular edema: clinical patterns and imaging.** Giani A, Pellegrini M, Invernizzi A, Staurenghi G. *Acta Ophthalmologica*, 89: 0. doi: 10.1111/j.1755-3768.2011.4312.x
- **Aligning Scan Locations from Consecutive Spectral-Domain Optical Coherence Tomography Examinations: A Comparison among Different Strategies.** Giani A, Pellegrini M, Invernizzi A, Cigada M, Staurenghi G. *Invest Ophthalmol Vis Sci.* 2012 Nov 13;53(12):7637-43.
- **Dynamic indocyanine green angiography measurements.** Holmes T, Invernizzi A, Larkin S, Staurenghi G. *J Biomed Opt.* 2012 Nov;17(11):116028.
- **Optical Coherence Tomography Averaged Images: Useful Tool or Source of Artifacts?** Invernizzi A, Oldani M, Staurenghi G. *Retina.* 2013 Jan 4. [Epub ahead of print]
- **Retrobulbar structure visualization with enhanced depth imaging optical coherence tomography.** Invernizzi A, Giani A, Cigada M, Staurenghi G. *Invest Ophthalmol Vis Sci.* 2013 Apr 12;54(4):2678-84. doi: 10.1167/iovs.12-10786.
- **Searching for viral antibodies and genome in intraocular fluids of patients with Fuchs uveitis and non-infectious uveitis.** Cimino L, Aldigeri R, Parmeggiani M, Belloni L, Zotti CA, Fontana L, Invernizzi A, Salvarani C, Cappuccini L. *Graefes Arch Clin Exp Ophthalmol.* 2013 Jun;251(6):1607-12.
- **Multi-imaging interpretation in impending central vein occlusion.** Invernizzi A, Pellegrini M, Giani A, Staurenghi G. *Br J Ophthalmol.* 2013 Aug;97(8):1080, 1087.

## Additional information

## Publications (2/7)

- **Enhanced Depth Imaging Optical Coherence Tomography features of choroidal osteoma** .Pellegrini M, **Invernizzi A**, Giani A, Staurengi G. *Retina*. 2014 May;34(5):958-63.
- **Herpetic acute anterior uveitis complicated by retinal vasculitis in an immunocompetent child**.Invernizzi A, Mameli C, Giacomet V, Chiari P, Zuccotti GV. *Can J Ophthalmol*. 2013 Dec;48(6):e171-2
- **In vivo analysis of the iris thickness by spectral domain optical coherence tomography**. Invernizzi A, Cigada M, Savoldi L, Cavuto S, Fontana L, Cimino L. *Br J Ophthalmol*. 2014 Sep;98(9):1245-9.
- **Choroidal granulomas Visualized by Enhanced Depth Imaging Optical Coherence Tomography**. Invernizzi A, Mapelli C, Viola F, Cigada M, Cimino L, Ratiglia R, Staurengi G, Gupta A. *Retina*. 2015 Mar;35(3):525-31.
- **Choroidal Findings in Dome-Shaped Macula in Highly Myopic Eyes: A Longitudinal Study**. Viola F, Dell'Arti L, Benatti E, **Invernizzi A**, Mapelli C, Ferrari F, Ratiglia R, Staurengi G, Barteselli G. *Am J Ophthalmol*. 2015 Jan;159(1):44-52.
- **Enhanced depth imaging spectral domain optical coherence tomography versus ultrasonography B-Scan for measuring retinochoroidal thickness in normal eyes**. Singh R, Invernizzi A, Agarwal A, Kumari N, Gupta A. *Retina*. 2015 Feb;35(2):250-6.
- **Optic nerve head tubercular granuloma successfully treated with anti-VEGF intravitreal injections in addition to systemic therapy**. Invernizzi A, Franzetti F, Viola F, Meroni L, Staurengi G. *Eur J Ophthalmol*. 2015 Apr 22;25(3):270-2.
- **Characterization of retinal structure and diagnosis of peripheral acquired retinoschisis using high-resolution ultrasound B-scan**. Agarwal A, Fan S, Invernizzi A, Do DV, Nguyen QD, Harms NV, Sepah YJ. *Graefes Arch Clin Exp Ophthalmol*. 2015 Apr 23. [Epub ahead of print]
- **Early panretinal abnormalities on fundus autofluorescence and spectral domain optical coherence tomography after intravitreal ocriplasmin**. Barteselli G, Carini E, Invernizzi A, Ratiglia R, Viola F. *Acta Ophthalmol*. 2015 May 24. doi: 10.1111/aos.12749. [Epub ahead of print]
- **Three-dimensional morphometric analysis of the iris by swept-source anterior segment optical coherence tomography in a Caucasian Population**. Invernizzi A, Giardini P, Cigada M, Viola F, Staurengi G. 2015 *Invest Ophthalmol Vis Sci*. (In Press)



**Additional information**

## Publications (3/7)

- **Sudden occurrence of Roth spots and retinal hemorrhages following endoscopic adhesiolysis: an SD-OCT evaluation.** Dell'Arti L, Barteselli G, Pinna V, Invernizzi A, Mapelli C, Viola F. Eur J Ophthalmol. 2015 Dec 1;26(1):e11-3. doi:10.5301/ejo.5000679.
- **Diabetic retinopathy screening: the first telemedical approach in an Italian hospital.** Invernizzi A, Bevilacqua MT, Cozzi M, Bianchi C, Pagani A, Cigada M, Staurengi G. Eur J Ophthalmol. 2015 Dec 11:0. doi: 10.5301/ejo.5000719. [Epub ahead of print]
- **Enhanced Depth Imaging Optical Coherence Tomography Features In Areas Of Choriocapillaris Hypoperfusion.** Invernizzi A, Agarwal A, Cozzi M, Viola F, Nguyen QD, Staurengi G. Retina. 2016 Apr 13. [Epub ahead of print]
- **New appraisals of Kyrieleis plaques: a multimodal imaging study.** Pichi F, Veronese C, Lembo A, Invernizzi A, Mantovani A, Herbolt CP, Cunningham ET Jr, Morara M, Ricci F, Neri P, Nucci P, Ciardella AP, Staurengi G, Lowder CY, Srivastava SK. Br J Ophthalmol. 2016 Jun 6. [Epub ahead of print]
- **Elvitegravir/cobicistat-associated toxic optical neuropathy in an HIV-infected patient: a call for caution?** Riva A, Invernizzi A, Resnati C, Micheli V, Cattaneo D, Gervasoni C. Antivir Ther. 2016 Jun 22. doi: 10.3851/IMP3058. [Epub ahead of print]
- **The Role of Optical Coherence Tomography Angiography in the Diagnosis and Management of Acute Vogt-Koyanagi-Harada Disease.** Aggarwal K, Agarwal A, Mahajan S, Invernizzi A, Mandadi SK, Singh R, Bansal R, Dogra MR, Gupta V; OCTA Study Group. Ocul Immunol Inflamm. 2016 Jul 20:1-12. [Epub ahead of print]
- **Multimodal Imaging of Vitreoretinal Lymphoma.** Mapelli C, Invernizzi A, Barteselli G, Pellegrini M, Tabacchi E, Staurengi G, Viola F. Ophthalmologica. 2016 Sep 15. [Epub ahead of print]
- **Type II Macular Telangiectasia Presenting as Bilateral Retinochoroidal Anastomosis.** Agarwal A, Invernizzi A, Kumari N, Singh R. Optom Vis Sci. 2016 Oct;93(10):1292-1295.
- **LONGITUDINAL FOLLOW-UP OF CHOROIDAL GRANULOMAS USING ENHANCED DEPTH IMAGING OPTICAL COHERENCE TOMOGRAPHY.** Invernizzi A, Agarwal A, Mapelli C, Nguyen QD, Staurengi G, Viola F. Retina. 2016 Jun 24. [Epub ahead of print]

## Additional information

## Publications (4/7)

- **An unusual presentation of intraocular tuberculosis in a monocular patient: clinicopathological correlation.** Aggarwal K, Agarwal A, Sehgal S, Sharma S, Singh N, Sharma K, Samanta R, Invernizzi A, Sharma A, Gupta V. *J Ophthalmic Inflamm Infect.* 2016 Dec;6(1):46.
- **Multimodal Imaging in Sympathetic Ophthalmia.** Mahajan S, Invernizzi A, Agrawal R, Biswas J, Rao NA, Gupta V. *Ocul Immunol Inflamm.* 2016 Dec 14:1-8. [Epub ahead of print]
- **Drusen-like Deposits in Young Adults Diagnosed with Systemic Lupus Erythematosus.** Invernizzi A, dell'Arti L, Leone G, Galimberti D, Garoli E, Moroni G, Santaniello A, Agarwal A, Viola F. *Am J Ophthalmol.* 2016 Dec 6. pii: S0002-9394(16)30589-X. doi: 10.1016/j.ajo.2016.11.014. [Epub ahead of print]
- **OPTICAL COHERENCE TOMOGRAPHY FINDINGS IN CYTOMEGALOVIRUS RETINITIS: A Longitudinal Study.** Invernizzi A, Agarwal A, Ravera V, Oldani M, Staurenghi G, Viola F. *Retina.* 2017 Jan 31.. [Epub ahead of print]
- **Morphological Appearance of Type III Dalén-Fuchs Nodules by SD-OCT.** Dell'Arti L, Barteselli G, Invernizzi A, Leone G, Benatti E, Viola F. *Retina.* 2017 May;37(5):e48-e49
- **SPECTRAL DOMAIN OPTICAL COHERENCE TOMOGRAPHY FINDINGS IN ENDOGENOUS CANDIDA ENDOPHTHALMITIS AND THEIR CLINICAL RELEVANCE.** Invernizzi A, Symes R, Miserocchi E, Cozzi M, Cereda M, Fogliato G, Staurenghi G, Cimino L, McCluskey P. *Retina.* 2017 May 10. [Epub ahead of print]
- **Imaging in tuberculosis-associated uveitis.** Bansal R, Basu S, Gupta A, Rao N, Invernizzi A, Kramer M. *Indian J Ophthalmol.* 2017 Apr;65(4):264-270. doi: 10.4103/ijo.IJO\_464\_16. Review.
- **Epidemiology and clinical features of inflammatory retinal vascular occlusions: pooled data from two tertiary-referral institutions.** Agarwal A, Karkhur S, Aggarwal K, Invernizzi A, Singh R, Dogra MR, Gupta V, Gupta A, Do DV, Nguyen QD. *Clin Exp Ophthalmol.* 2017 May 29. doi: 10.1111/ceo.12997. [Epub ahead of print]
- **Objective Quantification of Anterior Chamber Inflammation: Measuring Cells and Flare by Anterior Segment Optical Coherence Tomography.** Invernizzi A, Marchi S, Aldigeri R, Mastrofilippo V, Viscogliosi F, Soldani A, Adani C, Garoli E, Viola F, Fontana L, McCluskey P, Cimino L. *Ophthalmology.* 2017 Jun 16. pii: S0161-6420(16)31083-1. doi: 10.1016/j.ophtha.2017.05.013. [Epub ahead of print]
- **Comparing optical coherence tomography findings in different aetiologies of infectious necrotising retinitis.** Invernizzi A, Agarwal AK, Ravera V, Mapelli C, Riva A, Staurenghi G, McCluskey PJ, Viola F. *Br J Ophthalmol.* 2017 Aug 1. pii: bjophthalmol-2017-310210. doi: 10.1136/bjophthalmol-2017-310210. [Epub ahead of print]

## Additional information

### Publications (5/7)

- **Optical Coherence Tomography Biomarkers as Functional Outcome Predictors in Diabetic Macular Edema Treated with Dexamethasone Implant.** Zur D, Iglicki M, Busch C, Invernizzi A, Mariussi M, Loewenstein A; International Retina Group. *Ophthalmology*. 2017 Sep 19. pii: S0161-6420(17)32014-6. doi: 10.1016/j.ophtha.2017.08.031. [Epub ahead of print]
- **Multiple Evanescent White Dot Syndrome: A Multimodal Imaging Study of Foveal Granularity.** Mantovani A, Invernizzi A, Staurengi G, Herbot CP Jr. *Ocul Immunol Inflamm*. 2017 Oct 5:1-7. doi: 10.1080/09273948.2017.1353104. [Epub ahead of print]
- **Early and Late Retinal Pigment Epithelium Tears after Anti-Vascular Endothelial Growth Factor Therapy for Neovascular Age-Related Macular Degeneration.** Invernizzi A, Nguyen V, Arnold J, Young S, Barthelmes D, Gillies MC. *Ophthalmology*. 2017 Oct 6. pii: S0161-6420(17)31644-5. [Epub ahead of print]
- **Choroidal Structural Changes in Tubercular Multifocal Serpiginoid Choroiditis.** Agarwal A, Agrawal R, Khandelwal N, Invernizzi A, Aggarwal K, Sharma A, Singh R, Bansal R, Sharma K, Singh N, Gupta V. *Ocul Immunol Inflamm*. 2017 Oct 11:1-7. [Epub ahead of print]
- **Choroidal neovascular membranes secondary to intraocular tuberculosis misdiagnosed as neovascular age-related macular degeneration.** Invernizzi A, Agarwal A, Di Nicola M, Franzetti F, Staurengi G, Viola F. *Eur J Ophthalmol*. 2017 Oct 26:0. doi: 10.5301/ejo.5001047. [Epub ahead of print]
- **Multimodal Imaging of the Normal Eye.** Kawali A, Pichi F, Avadhani K, Invernizzi A, Hashimoto Y, Mahendradas P. *Ocul Immunol Inflamm*. 2017 Oct;25(5):721-731. doi: 10.1080/09273948.2017.1375531.
- **Ocular Neovascularization in Endogenous Candida Endophthalmitis: Using Multimodal Imaging to Understand Different Pathogenic Pathways.** Invernizzi A, Cozzi M, Symes R, Pellegrini M, Staurengi G. *Retina*. 2017 Nov 28. doi: 10.1097/IAE.0000000000001978. [Epub ahead of print]
- **Bilateral choroiditis as the only sign of persistent Mycobacterium intracellulare infection following haematogenous spread in an immunocompromised patient.** Invernizzi A, Ricaboni D, Franzetti M, Staurengi G, McCluskey P, Franzetti F. *Infection*. 2017 Dec 9. doi: 10.1007/s15010-017-1109-x. [Epub ahead of print]
- **Comparison Among Different Diagnostic Methods In The Study Of Type And Activity Of Choroidal Neovascular Membranes In Age-Related Macular Degeneration.** Ravera V, Giani A, Pellegrini M, Oldani M, Invernizzi A, Carini E, Cigada M, Bottoni F, Staurengi G. *Retina*. 2017 Dec 8. [Epub ahead of print]
- **The Collaborative Ocular Tuberculosis Study (COTS)-1 Report 3: Polymerase Chain Reaction in the Diagnosis and Management of Tubercular Uveitis: Global Trends.** Agarwal A, et al. *Ocul Immunol Inflamm*. 2017 Dec 20:1-9. [Epub ahead of print]

## Additional information

### Publications (6/7)

- **Interferon Alpha-2a for the Treatment of Post-Infectious Uveitis Secondary to Presumed Intraocular Tuberculosis.** Invernizzi A, Iannaccone F, Marchi S, Mastrofilippo V, Coassin M, Fontana L, Salvarani C, McCluskey P, Cimino L. *Ocul Immunol Inflamm.* 2018 Feb 22:1-8.
- **Sickle cell maculopathy: Identification of systemic risk factors, and microstructural analysis of individual retinal layers of the macula.** Dell'Arti L, Barteselli G, Riva L, Carini E, Graziadei G, Benatti E, Invernizzi A, Cappellini MD, Viola F. *PLoS One.* 2018 Mar 1;13(3):e0193582.
- **Choroidal Thickness in Patients Diagnosed with Human Immunodeficiency Virus Infection: Results from Two Populations of Different Ethnicities.** Agarwal A MD, Invernizzi A MD, Jain S MS, Acquistapace A MD, Riva A MD, Sharma A, Gupta V MS, Singh R MS. *Ocul Immunol Inflamm.* 2018 Mar 21:1-7.
- **Relationship between reticular pseudodrusen and choroidal thickness in intermediate age-related macular degeneration: comment.** Invernizzi A, Nguyen V, Gillies M. *Clin Exp Ophthalmol.* 2018 Apr 16.
- **Correlation between inner retinal layer thickness and cognitive function in HIV: new insights from an exploratory study.** Invernizzi A, Acquistapace A, Bochicchio S, Resnati C, Rusconi S, Ferrari M, Leta V, Pomati S, Klistorner A, McCluskey P, Staurengi G, Riva A. *AIDS.* 2018 May 3. doi: 10.1097/QAD.0000000000001850.
- **SWEPT-SOURCE OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY IN CHOROIDAL MELANOMA: An Analysis of 22 Consecutive Cases.** Pellegrini M, Corvi F, Invernizzi A, Ravera V, Cereda MG, Staurengi G. *Retina.* 2018 May 8. doi: 10.1097/IAE.0000000000002205. [Epub ahead of print]
- **Long-term visual outcome and its predictors in macular oedema secondary to retinal vein occlusion treated with dexamethasone implant.** Busch C, Rehak M, Sarvariya C, Zur D, Igllicki M, Lima LH, Invernizzi A, Viola F, Agrawal K, Sinawat S, Couturier A, Mehta A, Juneja R, Jain H, Agarwal AK, Goel N, Nagpal M, Gupta V, Banker A, Loewenstein A, Okada M, Saatci AO, Mansour AM, Chhablani J. *Br J Ophthalmol.* 2018 Jun 11. pii: bjophthalmol-2017-311805. doi: 10.1136/bjophthalmol-2017-311805. [Epub ahead of print]
- **Wide-field Choroidal Vascularity in Healthy Eyes.** Singh SR, Invernizzi A, Rasheed MA, Cagini C, Goud A, Vupparaboina KK, Cozzi M, Lupidi M, Chhablani J. *Am J Ophthalmol.* 2018 Sep;193:100-105. doi: 10.1016/j.ajo.2018.06.016. Epub 2018 Jun 27.
- **UNDERDIAGNOSED OPTIC DISK PIT MACULOPATHY: Spectral Domain Optical Coherence Tomography Features For Accurate Diagnosis.** Igllicki M, Busch C, Loewenstein A, Fung AT, Invernizzi A, Mariussi M, Arias R, Gabrielle PH, Cebeci Z, Okada M, Nawrocki J, Michalewska Z, Goldstein M, Barak A, Zur D. *Retina.* 2018 Jul 24. doi: 10.1097/IAE.0000000000002270. [Epub ahead of print]

## Additional information

## Publications (7/7)

- **Choroidal Structural Changes Correlate With Neovascular Activity in Neovascular Age Related Macular Degeneration.** Invernizzi A, Benatti E, Cozzi M, Erba S, Vaishnavi S, Vupparaboina KK, Staurengi G, Chhablani J, Gillies M, Viola F. Invest Ophthalmol Vis Sci. 2018 Aug 1;59(10):3836-3841. doi: 10.1167/iovs.18-23960.
- **Choroidal Thickness in Patients Diagnosed with Human Immunodeficiency Virus Infection: Results from Two Populations of Different Ethnicities: Response to Chay et al.'s Letter.** Agarwal A, Invernizzi A, Jain S, Acquistapace A, Riva A, Sharma A, Gupta V, Singh R. Ocul Immunol Inflamm. 2018 Aug 24:1-2. doi: 10.1080/09273948.2018.1508730. [Epub ahead of print]
- **The Collaborative Ocular Tuberculosis Study (COTS)-1: A Multinational Description of the Spectrum of Choroidal Involvement in 245 Patients with Tubercular Uveitis.** Agrawal R, Gunasekeran DV, Agarwal A et al. Ocul Immunol Inflamm. 2018 Aug 29:1-11. doi: 10.1080/09273948.2018.1489061. [Epub ahead of print]
- **An update on inflammatory choroidal neovascularization: epidemiology, multimodal imaging, and management.** Agarwal A, Invernizzi A, Singh RB, Foulsham W, Aggarwal K, Handa S, Agrawal R, Pavesio C, Gupta V. J Ophthalmic Inflamm Infect. 2018 Sep 12;8(1):13. doi: 10.1186/s12348-018-0155-6. Review.
- **Disease of the Year: Differential Diagnosis of Uveitic Macular Edema.** Agarwal A, Pichi F, Invernizzi A, Gupta V. Ocul Immunol Inflamm. 2018 Oct 1:1-17.
- **Wide-field choroidal thickness profile in healthy eyes.** Rasheed MA, Singh SR, Invernizzi A, Cagini C, Goud A, Sahoo NK, Cozzi M, Lupidi M, Chhablani J. Sci Rep. 2018 Nov 21;8(1):17166.
- **Type 3 neovascularisation (retinal angiomatous proliferation) treated with antivascular endothelial growth factor: real-world outcomes at 24 months.** Invernizzi A, Teo K, Nguyen V, Daniell M, Squirrell D, Barthelmes D, Gillies MC. Br J Ophthalmol. 2018 Dec 1. [Epub ahead of print]
- **Demyelination precedes axonal loss in the transneuronal spread of human neurodegenerative disease.** You Y, Joseph C, Wang C, Gupta V, Liu S, Yiannikas C, Chua BE, Chitranshi N, Shen T, Dheer Y, Invernizzi A, Borotkanics R, Barnett M, Graham SL, Klistorner A. Brain. 2019 Feb 1;142(2):426-442.
- **Optical coherence tomography and optical coherence tomography angiography in uveitis: a review.** Invernizzi A, Cozzi M, Staurengi G. Clin Exp Ophthalmol. 2019 Feb 4. doi: 10.1111/ceo.13470. [Epub ahead of print] Review.

**Additional information**

## Oral Presentations (1/3)

**Speaker at Local and International meetings:**

- **“SD-OCT - Applications, Advantages and Future Innovations”** - 90<sup>th</sup> National Meeting of the Italian Society of Ophthalmology (SOI) - Milan 2010
- **“Inflammatory Bowel Diseases & Ocular Manifestations”** - Hot Topics in Inflammatory Bowel Diseases, Immunity, autoimmunity and IBD - Milan 2012
- **“Pediatric Uveitis”** - Pediatric Rheumatology, a multidisciplinary approach - Milan 2012
- **“EDI-OCT for studying the Choroid”** - Imaging in retinal and choroidal pathologies - Reggio Emilia 2012
- **“OCT - New frontiers in ophthalmology, Uveitis and clinical practice”** - 10<sup>th</sup> International Meeting of the Italian Society of Ophthalmology (SOI) - Milan 2012
- **“Imaging in Ocular Tuberculosis”** - International Symposium on Ocular Tuberculosis - Reggio Emilia 2012
- **“Optical Coherence Tomography in Posterior Uveitis”** - Eye Rheum, International Conference on the Eye in Inflammatory Rheumatic Disorders - Prato 2012
- **“SD-OCT for the diagnosis and follow-up of extrafoveal PCV treated by laser photocoagulation”** - Retina, Diagnosis and therapy - Rome 2013
- **“EN-FACE” study of Retinal Nerve Fiber Layer in Glaucoma** - First International Congress of “En-face” OCT - Rome 2013
- **“OCT in Uveitis”** - Updates on Uveitis - Milan 2014
- **“Viral Uveitis”** - Updates on Uveitis - Milan 2014
- **“EDI-OCT and Choroidal Granulomas”** - National Meeting of the Italian Retinal Society (SIR) - Rome 2014
- **“Mycobacteria Choroiditis: Differential Diagnosis”** - 8<sup>th</sup> Meeting of the Italian Society of Uveitis and Ocular Inflammatory Diseases (SIUMIO) - Parma 2014
- **“EDI-OCT and Choroidal Granulomas”** - Retina - Rome 2014

**Additional information**

## Oral Presentations (2/3)

- **“Choroid in Various Diseases”** - INSTRUCTIONAL COURSE 15 Key Issues for SD-OCT Interpretation - 14th EURETINA Congress - London 2014 (Not on the Meeting Program since substituting another speaker)
- **“Polipoidal Neovascularizations, fibrovascular PEDs and RPE tears”** - 69th Meeting of the Lombardy Ocular Society (SOL) - Milan 2014
- **“Multimodal Imaging of the Fundus in patients affected by SLE glomerulonephritis”** - Italian Retinal Society (SIR) - Venice 2015
- **“Diabetic retinopathy screening in primary care setting: a telemedical approach in an Italian hospital”** - Maculive - Milan 2015
- **“Challenging Case: Intraocular Lymphoma or TB?”** - Current Trends and Controversies in the management of Retinal Diseases and Uveitis - Chandigarh (India) 2015
- **“Tubercular Choroiditis”** - 9th Meeting of the Italian Society of Uveitis and Ocular Inflammatory Diseases (SIUMIO) - Naples 2015
- **“EDI-OCT in intraocular TB”** - TB: Systemic and Ocular Imaging - International Workshops on Granulomatous Uveitis and Bechet Disease - Cebu (Philippines) 2015
- **“Updates on Retinal Imaging”** - Philippines Academy of Ophthalmology (PAO) Midyear Meeting 2015 - CEBU 2015
- **“Inflammatory CNVs”** - Incorporation of OCT Angiography into clinical practice, drug development and clinical trials: opportunities and pitfalls - Rome 2015
- **“Optical Coherence Tomography in Ocular Inflammation”** International SPECTRALIS Symposium (ISS) - 2015 Valencia
- **“Multimodal Imaging in Intraocular Lymphomas”** – National Meeting of the Italian Retinal Society (SIR) - Venice 2016
- **“Intraocular Tuberculosis”** - 10th Meeting of the Italian Society of Uveitis and Ocular Inflammatory Diseases (SIUMIO) -Milan 2016
- **“OCT in Uveitis”** - 11th Meeting of the Italian Society of Uveitis and Ocular Inflammatory Diseases (SIUMIO) –Reggio Emilia 2017
- **Clinico-pathological correlation in uveitis** – ARVO Asia – Brisbane February 2017
- **“Artifacts in OCT Angiography”** – ANZARS 2017, Sydney Australia.

**Additional information**

## Oral Presentations (3/3)

- **“OCT findings in endogenous candida endophthalmitis and their clinical relevance”** – 14th International Ocular Inflammation Society (IOIS) Meeting - Lausanne 2017
- **“OCT findings in infectious necrotizing retinitis: a comparison among different etiologies”** – 14th International Ocular Inflammation Society (IOIS) Meeting - Lausanne 2017“
- **Type 3 choroidal neovascularization (Retinal Angiomatous Proliferations) treated with anti-VEGF: real world outcomes at 24 months”** Euretina - Vienna 2018

**Organizer/Chair at Local and International meetings:**

- **Special Interest Group: “Eye and Brain - the interrelationship and pathology”** – 2018 Association for Research and Vision (ARVO) Meeting – Honolulu 2018  
**ROLE:** Session Organizer and Moderator
- **Special Interest Group: “Objective Quantification of Intraocular Inflammation: Using Newer Technologies to Overcome an Old Challenge”** – 2018 Association for Research and Vision (ARVO) Meeting – Honolulu 2018  
**ROLE:** Session Organizer and Moderator



## Additional information

## Poster Presentations (1/2)

## Author /co-author of the following ARVO POSTERS:

- **Optical Coherence Tomography: Comparison of Artefacts Produced by Fast Macular Thickness Map and by Macular Thickness Map** – *M.Cereda<sup>1A</sup>, A.Giani<sup>1A</sup>, L.Fonte<sup>1B</sup>, A.Invernizzi<sup>1A</sup>, M.Pellegrini<sup>1A</sup>, G.Staurenghi<sup>1A</sup>*. Department of Ophthalmology Sacco Hospital Milano, BSacco Hospital Milano, 1University of Milan, Milano, Italy. ARVO 2007 - 2622/B699
- **Blood Flow Modification in Feeder Vessels After Intravitreal Injection of Bevacizumab (Avastin)** G. Levi<sup>1</sup>, T. Holmes<sup>2</sup>, A. Invernizzi<sup>1</sup>, C. Veronese<sup>1</sup>, C. Rosina<sup>1</sup>, E. Hermesmeier<sup>2</sup>, G. Staurenghi<sup>1</sup>. <sup>1</sup>Ophthalmology, University of Milan, Sacco Hospital, Italy; <sup>2</sup>Lickenbrock Technologies, Troy, NY. ARVO 2007 - 321
- **Eye Tracker and SD-OCT Repeatability: a Comparison Among Different Technologies** - *M. Pellegrini, A. Invernizzi, M. Cigada, G. Staurenghi*. Eye Clinic, Department of Clinical Science "Luigi Sacco", Sacco Hospital, University of Milan, Italy. ARVO 2010 – 2287/A496
- **Repeatability of macular thickness measurements in patients with diabetic macular edema** - *A.Invernizzi<sup>1</sup>, M.Pellegrini<sup>1</sup>, M.Cigada<sup>1</sup>, A. Peroglio<sup>1</sup>, N. Bassani<sup>2</sup>, G.Staurenghi<sup>1</sup>*. <sup>1</sup>Eye Clinic, Department of Clinical Science "Luigi Sacco", Sacco Hospital, University of Milan, Italy <sup>2</sup>Institute of Medical Statistics and Biometry "Giulio A. Maccacaro", University of Milan, Italy. ARVO 2010 – 4658/D933
- **Measurement Maps of Dynamic ICG for Neovascular Conditions** - T.J. Holmes<sup>1</sup>, A. Invernizzi<sup>2</sup>, S. Larkin<sup>1</sup>, G. Staurenghi<sup>2</sup>. <sup>1</sup>Lickenbrock Technologies, LLC, Saint Louis, MO; <sup>2</sup>Ophthalmology, University of Milan, Milan, Italy. ARVO 2010 1026/A589
- **Macular Atrophic Changes in Patients Treated With Bevacizumab for Myopic Choroidal Neovascularization**- C. Rosina<sup>1</sup>, A.Invernizzi<sup>1</sup>, F. Bottoni<sup>1</sup>, G.Staurenghi<sup>1</sup>. <sup>1</sup>Eye Clinic, Department of Clinical Science "Luigi Sacco", Sacco Hospital, University of Milan, Italy ARVO 2010 – 2193/A292
- **Reproducibility of Retinal Thickness Measurements on Normal and Pathologic Eyes Using Different Optical Coherence Tomography Instruments** - A. Giani<sup>1</sup>, M.V. Cigada<sup>2</sup>, N. Choudhry<sup>1</sup>, A. Peroglio Deiro<sup>3</sup>, M. Oldani<sup>3</sup>, M. Pellegrini<sup>3</sup>, A. Invernizzi<sup>3</sup>, P.G. Duca<sup>4</sup>, J.W. Miller<sup>5</sup>, G. Staurenghi<sup>3</sup>. ARVO 2010. 4396/A229
- **Retinal Changes Before The Development Of Retinal Angiomatous Proliferation** – M. Oldani, C. Orini, A. Invernizzi, M. Cigada, F. Bottoni, G. Staurenghi. Eye Clinic, Department of Clinical Science Luigi Sacco, Sacco Hospital, University of Milan, Milan, Italy. ARVO 2011. 1772/A302

**Additional information**

## Poster Presentations (2/2)

- **Different Features in Autofluorescence of Full Thickness Macular Hole Using Three Different Scanning Confocal Laser** - R. Perrotta<sup>1</sup>, S. Marchi<sup>2</sup>, A. Invernizzi<sup>3</sup>, G. Staurenghi. ARVO 2011. 2199/A169
- **Retrobulbar Structures Visualization With Enhanced Depth Imaging Optical Coherence Tomography** - Alessandro Invernizzi, Andrea Giani, Mario Cigada, Giovanni Staurenghi. ARVO 2012. 2153/D1217
- **Comparison Among Different Diagnostic Methods In The Study Of Type And Activity Of Choroidal Neovascular Membranes In Age-Related Macular Degeneration** - Vittoria Ravera, Marco Pellegrini, Marta Oldani, Alessandro Invernizzi, Elisa Carini, Andrea Giani, Mario Cigada, Ferdinando Bottoni, Giovanni Staurenghi. - ARVO 2012. 2653/D1095
- **Telemedicine for diabetic retinopathy screening: a pilot program for Italian hospitals** Alessandro Invernizzi; Maurizio T. Bevilacqua; Mariano Cozzi; Carlo D. Bianchi; Alessandro Pagani; Mario V. Cigada; Giovanni Staurenghi. ARVO 2013. 206/D0017
- **Characterization of retinal structure and diagnosis of peripheral acquired retinoschisis using high-resolution ultrasound B-scan.** Nathan V. Harms, Aniruddha Agarwal, Shan Fan, Alessandro Invernizzi, Diana V. Do, Quan Nguyen, Yasir J. Sepah. ARVO 2015. 5956 - A0127
- **Three-dimensional morphometric study of the iris by swept source anterior segment optical coherence tomography in caucasian population.** Invernizzi A, Giardini P, Cigada M, Viola F, Staurenghi G. ARVO 2015. 1955 - D0158
- **Drusen-like deposits in young adults affected by Systemic Lupus Erythematosus** A Invernizzi, L Dell'Arti, E Garoli, G Leone, D Galimberti, A Santaniello, G Moroni, F Viola. ARVO 2016
- **Reproducibility of Foveal Avascular Zone measurements across four different Optical Coherence Tomography Angiography systems** M Cozzi, S Erba, A Invernizzi, M Pellegrini, G Staurenghi.- ARVO 2016
- **Spectral-Domain Optical Coherence Tomography and Optical Coherence Tomography Angiography in Sickle Cell Retinal and Choroidal Microangiopathy** Dell'Arti L, Riva L, Invernizzi Alessandro, Aretti A, Barteselli G, Benatti E, Viola F. – ARVO 2017
- **Retinal Ganglion Cells Layer thickness as a possible bio-marker for accelerate ageing due to HIV infection** Alessandro Invernizzi, Alessandra Acquistapace, Sara Bochicchio, Chiara Resnati, Simone Pomati, Alexander Klistorner, Giovanni Staurenghi, Agostino Riva. – ARVO 2017

## Additional information

## Books

## Author /co-author of the following Book Chpters:

- **Epiretinal Membranes** (Chapter in “Imaging the eye from front to back with RTVue Fourier-Domain Optical Coherence Tomography” – Slack Inc.- 2010)
- **Diagnosis and Detection** (Chapter in “Macular edema: a practical approach” Karger – 2010)
- **Degenerazione Maculare Legata all’Età** - L’Oculista Italiano - Le monografie - Sifi Editore
- **Scanning Laser Ophthalmoscopy: Principles and Applications** (Chapter in Lasers in Ophthalmology Nov 2016)
- **Fungal Endophthalmitis** (Chapter in “The Uveitis Atlas” Springer 2016)
- **Differential Diagnosis of Infectious Choroiditis** (Chapter in “The Uveitis Atlas” Springer 2016)
- **Multiple Evanescent White Dot Syndrome**(Chapter in “The Uveitis Atlas” Springer 2016)
- **Acute Retinal Pigment Epithelitis**(Chapter in “The Uveitis Atlas” Springer 2016)
- **Toxoplasma Retinochoroiditis**(Chapter in “The Uveitis Atlas” Springer 2016)
- **Infectious Chorioretinal Diseases** (Chapter in Choroidal Disorders – Elsevier Academic Press - June 2017)
- **Retinal Manifestations of Renal Diseases** (Chapter in “Retinal and Choroidal Imaging in Systemic Diseases” – Springer - 2017 )

**Additional information**

## Memberships

**Member of the Following Societies/Groups:**

- *Italian Society of Ophthalmology (SOI)*
- *Association for Research in Vision and Ophthalmology (ARVO)*
- *Italian Society of Uveitis and Ocular Inflammatory Diseases (SIUMIO)*
- *“Collaborative Ocular TB Study Group (COTS)”*

**Additional information**

## Awards / Grants

**Winner of the following funds/grants/awards:**

- *Fondazione Lorini Scholarship Grant – University of Milan 2015*  
(Unused by the candidate after winning it because successfully appointed as Researcher a month later and consequently incompatible)

I authorize the treatment of my personal data according to the law decree UE679/2016

Milano, 20-3-2019

