

CURRICULUM VITAE

Edoardo Villani, M.D.

Cittadinanza: Italiana
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Luogo di nascita: Tradate (VA), Italia
Data di nascita: 22 Luglio 1979

Educazione superiore:

03/2005	Laurea in Medicina e Chirurgia	Università degli Studi di Milano
07/1999	Diploma	Liceo Classico “SM Legnani”, Saronno (VA), Italia

Formazione postdoc

2010-2013	Assegnista di ricerca, Università degli Studi di Milano	
2009-2010	Borsa di Ricerca, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milano, Italia	
2009	Master (II livello) in Patologie vitreo-retiniche, Università Politecnica delle Marche, Ancona, Italia	
2005-2008	Specializzazione in Oftalmologia, Università degli Studi di Milano	

Incarichi accademici

2014	Commissario esterno PhD thesis, Queensland University of Technology, Australia	
2013-	Ricercatore TD, Dipartimento di Scienze Cliniche e di Comunità, Università degli Studi di Milano	

Attività Ospedaliera

- 2013- Medico Oculista a contratto, Clinica Oculistica Ospedale San Giuseppe, Milano
- 2010-2013 Medico Oculista a contratto, Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico, Milano

Principali ruoli di leadership ricoperti

- 2014- Fondatore e Direttore dell' International Corneal and Ocular Surface Reading Center, Milano, Italia (in corso di certificazione da European Vision Institute)
- 2012 Co-Organizzatore e Co-Moderatore, Special Interest Group, "In Vivo Confocal Microscopy of the Ocular Surface: From Bench to Bedside", Association for Research in Vision and Ophthalmology

Partecipazione a commissioni

- 2014- Membro, Member Networking Group (MNG), Association for Research in Vision and Ophthalmology
- 2013- Membro, Collegio didattico PhD Oral Sciences, Università di Milano
- 2012-2013 Membro, "Contact Lens Interactions with the Ocular Surface and Adnexa" subcommittee, Tear Film and Ocular Surface International Workshop on Contact Lens Discomfort (CLD).
- 2010- Membro di Advisory Board nazionali ed internazionali di numerose aziende farmaceutiche

Società professionali

- 2011- American Academy of Ophthalmology (AAO)
- 2011- Eucornea
- 2009- Tear Film and Ocular Surface Society (TFOS)
- 2006- Association of Research in Vision and Ophthalmology (ARVO)
- 2005- Italian Society of Ophthalmology (SOI)

Attività editoriali

Ad hoc Reviewer

Medicine, Ophthalmology, Investigative Ophthalmology & Visual Science, Graefe's Archives of Clinical and Experimental Ophthalmology, Cornea, Plos One, Innate Immunity, Eye, Current Eye Research, British Journal of Ophthalmology, Acta Ophthalmologica, Microscopy Microanalysis, Journal of Ophthalmology, European Journal of Ophthalmology, International Ophthalmology, Clinical Ophthalmology

Ruoli editoriali

2014- Academic Editor, *Medicine*

Premi e riconoscimenti

2011 Conference Best Paper Award, 1° Joint International Congress Refractive online and SICSSO

2008 Conference Best Paper Award, 88° National Meeting Italian Society of Ophthalmology (SOI)

2008 Premio Trimarchi, Università degli Studi di Pavia

2006 Premio Trimarchi Università degli Studi di Pavia

2006 Fondazione Bietti per l' Oftalmologia Travel Award, Association for Vision in Research and Ophthalmology, Ft. Lauderdale (FL), USA

Didattica formale ed attività di tutor

2013- Malattie dell'Apparato visivo, CdL Medicina e Chirurgia, Università degli Studi di Milano

2013- Inglese Scientifico, Scuola di Specializzazione in Oftalmologia, Università degli Studi di Milano

2013- Semeiotica Oculare, Scuola di Specializzazione in Oftalmologia, Università degli Studi di Milano

2013- Malattie dell'Apparato visivo, Scuole di Specializzazione in Oftalmologia, Otorinolaringoiatria e Chirurgia Maxillofaciale, Università degli Studi di Milano

2011- Chirurgia Oculare, CdL Ortottica ed Assistenza in Oftalmologia, Università degli Studi di Milano

2009- Tutor per attività clinica e di ricerca di numerosi studenti di Medicina e Chirurgia ed Ortottica, specializzandi, specialisti in formazione postdoc.

Pratica Clinica

Patologie corneali e della superficie oculare, patologie retiniche, chirurgia della cataratta e refrattiva

- Pratica clinica presso la Clinica Oculistica dell'Ospedale San Giuseppe di Milano
- Quattro sessioni cliniche alla settimana, una sessione chirurgica alla settimana

Partecipazione a gruppi di ricerca internazionali

1. 2012 – A multicenter, open label, interventional, prospective, non randomized, one cohort, extension study to assess the sustainability of the effect of NOVA22007 following treatment discontinuation in improved patients with severe dry eye disease (DED).

Protocollo: NVG12D122

Sponsor: Novagali Pharma spa

Ruolo: Co-investigator

2. 2011 – Multicenter, randomized, double-masked, 2 parallel arm, vehicle controlled, 6-month phase III trial with a 6 month open label treatment safety follow up period to evaluate the efficacy and safety of CYCLOKAT 1mg/ml (Ciclosporin) eye drops, emulsion administered once daily in adult patients with severe Dry Eye Disease.

Protocollo: NVG10E117

Sponsor: Novagali Pharma spa

Ruolo: Co-investigator

3. 2011 – Efficacy and safety of Brinzolamide 10 mg/mL / Brimonidine 2 mg/mL Eye drops, suspension compared to Brinzolamide 10 mg/mL eye drops, suspension plus Brimonidine 2 mg/mL eye drops, solution in patients with open-angle glaucoma or ocular hypertension.

Protocollo: C-10-041

Sponsor: Alcon Research, Ltd.

Ruolo: Sub-investigator

4. 2010 – A 2 year randomized, single-masked, multicenter, controlled phase IIIb Trial assessing the efficacy and safety of 0.5mg ranibizumab in two “treat and extend” treatment algorithms vs. 0.5 mg ranibizumab as needed in patients with macular edema and visual impairment secondary to diabetes mellitus.

Protocollo: CRFB002D2304

Sponsor: Novartis

Ruolo: Sub-investigator

5. 2009 – 2013 The safety and efficacy of AL-8309B ophthalmic solution for the Treatment of geographic atrophy (GA) secondary to age-related macular degeneration (AMD).

Protocollo: C-08-36

Sponsor: Alcon Research, Ltd.

Ruolo: Study Coordinator

6. 2008 – 2011. A randomized, double-masked, active controlled, phase 3 study of the efficacy, safety, and tolerability of repeated doses of intravitreal VEGF Trap-Eye in subjects with neovascular age-related macular degeneration (AMD).

Protocollo: BSP VIEW2

Sponsor: Bayer Schering Pharma

Ruolo: Sub-investigator

7. 2009 – 2012. The safety and efficacy of AL-8309B ophthalmic solution for the Treatment of geographic atrophy (GA) secondary to age-related macular degeneration (AMD).

Protocollo: C-08-36

Sponsor: Alcon Research, Ltd.

Ruolo: Study Coordinator

8. 2008. A multicenter, double-blind, parallel group, placebo-controlled clinical study to examine the safety and efficacy of SPHP700-3 in the management of mild to moderate dry eye in adults.

Protocollo: SINDE01

Sponsor: Sinclair Pharma

Ruolo: Study Coordinator

9. 2006 - 2009. An evaluation of efficacy and safety of posterior juxtasclear administrations of anecortave acetate for depot suspension (15mg or 30mg) versus sham administration in patients (enrolled in study “A” or study “B”) at risk for developing sight-threatening choroidal neovascularization (CNV) due to exudative age-related macular degeneration (AMD).

Protocollo: C-02-60

Sponsor: Alcon Research, Ltd.

Ruolo: Sub-investigator

10. 2005 - 2006. Nepafenac 0.1% eye drops, suspension compared to Ketoralac Trometamol 0.5% eye drops, solution and placebo (Nepafenac vehicle) for the prevention and treatment of ocular inflammation and ocular pain associated with cataract surgery: European study.

Protocollo: C-04-65

Sponsor: Alcon Research, Ltd.

Ruolo: Sub-investigator

Publicazioni Peer Reviewed

1. **Villani E**, Garoli E, Magnani F, Ratiglia R, Nucci P. The Ocular Surface in Medically Controlled Glaucoma: an in vivo Confocal Study. Submitted
2. **Villani E**, Garoli E, Pichi F, Ratiglia R, Nucci P. In vivo corneal confocal microscopy in dry eye treated with topical corticosteroids. Submitted
3. **Villani E**, Nucci P. Dry Eye in Rheumatoid Arthritis: tear film osmolarity and inflammation. Submitted
4. Sacchi M, **Villani E**, Nucci P. Efficacy of preservative-free tafluprost in patients with normal-tension glaucoma previously treated with latanoprost. *Clin Ophthalmol.* 2014;8:1855-8.
5. Sacchi M, **Villani E**, Gilardoni F, Nucci P. Efficacy of intravitreal dexamethasone implant for prostaglandin-induced refractory pseudophakic cystoid macular edema: case report and review of the literature. *Clin Ophthalmol.* 2014;8:1253-7.
6. Pichi F, Romano S, **Villani E**, Lembo A, Gilardoni F, Morara M, Ciardella AP, Ohno-Matsui K, Nucci P. Spectral-domain optical coherence tomography findings in pediatric tilted disc syndrome. *Graefes Arch Clin Exp Ophthalmol.* 2014;252:1661-7.
7. **Villani E**, Garoli E, Canton V, Pichi F, Nucci P, Ratiglia R. Evaluation of a novel eyelid-warming device in meibomian gland dysfunction unresponsive to traditional warm compress treatment: an in vivo confocal study. *Int Ophthalmol.* 2014 Apr 22. [Epub ahead of print]
8. Viola F, Barteselli G, Dell'Arti L, Vezzola D, Mapelli C, **Villani E**, Ratiglia R. Multimodal imaging in deferoxamine retinopathy. *Retina.* 2014;34:1428-38.
9. **Villani E**, Baudouin C, Efron N, Hamrah P, Kojima T, Patel SV, Pflugfelder SC, Zhivov A, Dogru M. In vivo confocal microscopy of the ocular surface: from bench to bedside. *Curr Eye Res.* 2014;39:213-31.

10. **Villani E**, Garoli E, Bassotti A, Magnani F, Tresoldi L, Nucci P, Ratiglia R. The cornea in classic type Ehlers-Danlos syndrome: macro- and microstructural changes. *Invest Ophthalmol Vis Sci.* 2013;54:8062-8.
11. Efron N, Jones L, Bron AJ, Knop E, Arita R, Barabino S, McDermott AM, **Villani E**, Willcox MD, Markoulli M; members of the TFOS International Workshop on Contact Lens Discomfort. The TFOS International Workshop on Contact Lens Discomfort: report of the contact lens interactions with the ocular surface and adnexa subcommittee. *Invest Ophthalmol Vis Sci.* 2013;54):TFOS98-TFOS122.
12. **Villani E**, Mantelli F, Nucci P. In-vivo confocal microscopy of the ocular surface: ocular allergy and dry eye. *Curr Opin Allergy Clin Immunol.* 2013;13:569-76.
13. **Villani E**, Canton V, Magnani F, Viola F, Nucci P, Ratiglia R. The aging Meibomian gland: an in vivo confocal study. *Invest Ophthalmol Vis Sci.* 2013;54:4735-40.
14. **Villani E**, Magnani F, Viola F, Santaniello A, Scorza R, Nucci P, Ratiglia R. In vivo confocal evaluation of the ocular surface morpho-functional unit in dry eye. *Optom Vis Sci.* 2013;90:576-86.
15. Viola F, Vezzola D, **Villani E**, Mapelli C, Barteselli G, Ratiglia R. Purtscher-like retinopathy in septicemic disseminated intravascular coagulation associated with nephrotic syndrome. *Eur J Ophthalmol.* 2013 Apr 15 [Epub ahead of print].
16. **Villani E**, Galimberti D, Del Papa N, Nucci P, Ratiglia R. Inflammation in dry eye associated with rheumatoid arthritis: cytokine and in vivo confocal microscopy study. *Innate Immun.* 2013;19:420-7.
17. **Villani E**, Viola F, Ratiglia R. Comment on "Application of in vivo laser scanning confocal microscopy for evaluation of ocular surface diseases: lessons learned from pterygium, meibomian gland disease, and chemical burns". *Cornea.* 2012;31:846-7.
18. Viola F, Barteselli G, Dell'arti L, Vezzola D, **Villani E**, Mapelli C, Zanaboni L, Cappellini MD, Ratiglia R. Abnormal fundus autofluorescence results of patients in long-term treatment with deferoxamine. *Ophthalmology.* 2012;119:1693-700.
19. Viola F, **Villani E**, Natacci F, Selicorni A, Melloni G, Vezzola D, Barteselli G, Mapelli C, Pirondini C, Ratiglia R. Choroidal abnormalities detected by near-infrared reflectance imaging as a new diagnostic criterion for neurofibromatosis 1. *Ophthalmology.* 2012;119:369-75.
20. **Villani E**, Ceresara G, Beretta S, Magnani F, Viola F, Ratiglia R. In vivo confocal microscopy of meibomian glands in contact lens wearers. *Invest Ophthalmol Vis Sci.* 2011;52:5215-9.

21. **Villani E**, Beretta S, Galimberti D, Viola F, Ratiglia R. In vivo confocal microscopy of conjunctival roundish bright objects: young, older, and Sjögren subjects. *Invest Ophthalmol Vis Sci.* 2011;52:4829-32.
22. Mussolino C, della Corte M, Rossi S, Viola F, Di Vicino U, Marrocco E, Neglia S, Doria M, Testa F, Giovannoni R, Crasta M, Giunti M, **Villani E**, Lavitrano M, Bacci ML, Ratiglia R, Simonelli F, Auricchio A, Surace EM. AAV-mediated photoreceptor transduction of the pig cone-enriched retina. *Gene Ther.* 2011;18:637-45.
23. **Villani E**, Beretta S, De Capitani M, Galimberti D, Viola F, Ratiglia R. In vivo confocal microscopy of meibomian glands in Sjögren's syndrome. *Invest Ophthalmol Vis Sci.* 2011;52:933-9.
24. **Villani E**, Laganovska G, Viola F, Pirondini C, Bauman K, Radecka L, Ratiglia R. A multicenter, double-blind, parallel group, placebo-controlled clinical study to examine the safety and efficacy of T-Clair SPHP700-3 in the management of mild to moderate dry eye in adults. *Cornea.* 2011;30:265-8.
25. **Villani E**, Viola F, Sala R, Salvi M, Mapelli C, Currò N, Vannucchi G, Beck-Peccoz P, Ratiglia R. Corneal involvement in Graves' orbitopathy: an in vivo confocal study. *Invest Ophthalmol Vis Sci.* 2010;51:4574-8.
26. Viola F, **Villani E**, Mapelli C, Staurengi G, Ratiglia R. Bilateral juvenile choroidal neovascularization associated with Best's vitelliform dystrophy: observation versus photodynamic therapy. *J Pediatr Ophthalmol Strabismus.* 2010;47:121-2.
27. **Villani E**, Galimberti D, Viola F, Ratiglia R. In vivo confocal microscopy of the ocular surface. *Am J Ophthalmol.* 2010;149:689-90; author reply 690.
28. Viola F, Mapelli C, **Villani E**, Tresca Carducci F, Vezzola D, Ratiglia R. Sequential combined treatment with intravitreal bevacizumab and photodynamic therapy for retinal angiomatous proliferation. *Eye (Lond).* 2010;24:1344-51.
29. **Villani E**, Galimberti D, Viola F, Mapelli C, Del Papa N, Ratiglia R. Corneal involvement in rheumatoid arthritis: an in vivo confocal study. *Invest Ophthalmol Vis Sci.* 2008;49:560-4.
30. **Villani E**, Galimberti D, Viola F, Mapelli C, Ratiglia R. The cornea in Sjogren's syndrome: an in vivo confocal study. *Invest Ophthalmol Vis Sci.* 2007;48:2017-22.

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24.10.2014

Edoardo Villani