

## PERSONAL INFORMATION

## Erika Bonacci



✉ [erika.bonacci@univr.it](mailto:erika.bonacci@univr.it)  
✉ [bonaccierika89@gmail.com](mailto:bonaccierika89@gmail.com)

Sex Female | Date of birth 01/12/1989 | Nationality Italian

From January 1<sup>st</sup> 2022 – to Today

### University Researcher Scientific Disciplinary Sector MED / 30 - Visual Diseases

University of Verona, Eye Clinic

- Corneal disease, Surgery

Business or sector Ophthalmology

From November 1<sup>st</sup> 2019 – to December 31<sup>st</sup> 2021

### Research Fellow

University of Verona, Eye Clinic

- “Management della superficie oculare in pazienti affetti da patologie del segmento anteriore e candidati alla chirurgia”

Business or sector Cornea and ocular surface

From December 10<sup>th</sup> 2014 – to July 23<sup>rd</sup> 2019

### Residency in Ophthalmology

University of Verona, Eye Clinic

- Corneal disease, Medical Retina, Glaucoma, Vitreoretinal Surgery, Glaucoma Surgery

Business or sector Ophthalmology

Magna Cum Laude

## EDUCATION AND TRAINING

October 5<sup>th</sup>-9<sup>th</sup> 2020

### ESASO Cornea and Corneal Refractive Surgery e-Module

- eLOS – e Learning Ocular Surgery

June 5<sup>th</sup> 2020

### ESASO eCampus - Masterclass 1, Pearls on Medical Retina

- eLOS – e Learning Ocular Surgery

September 13<sup>th</sup> 2020

### Immediate Life Support Performer

Verona, Italy

- IRC- Italian Resuscitation Council

January 31<sup>st</sup> 2020

### PCIOLs Patient Selection Tree

Milan, Italy

- User meeting Premium IOL

May 4<sup>th</sup> 2018

### Fellow of European Board of Ophthalmology

Palais des Congrès, Paris

- Ophthalmology

May 19<sup>th</sup> 2017

**ESASO – Simulator Training in “Cataract Surgery”**

Lugano- ESASO Training Centre, Ospedale Regionale di Lugano (Italiano)  
 ▪ Cataract Surgery

From October 1<sup>st</sup> 2009 To July 19<sup>th</sup> 2013

**Graduation in Medicine**

Laude

Magna Cum

University of Catania, Medicine Faculty

▪ Anatomy, Physiology, Ophthalmology

**CLINICAL AND SURGICAL PRACTICE**

- Specialist knowledge in both diagnosis and treatment of Corneal and Ocular Surface Diseases: infectious, inflammatory, degenerative and immune
- Competence in corneal transplantation management: perforant keratoplasty and both anterior and posterior lamellar keratoplasty
- Competence in the management of simple limbal stem cell transplantation (SLET)
- Full expertise in corneal topography, corneal tomography, corneal and ocular aberrometry, in vivo specular microscopy, in vivo confocal microscopy
- Experience in cataract and corneal surgeries

**PERSONAL SKILLS**

Mother tongue

Italian

Other language

English (FIRST Certificate)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B/1	B/1	B/1	B/1	B/1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user Common European Framework of Reference for Languages

Computer skills

ECDL Licence

**SCIENTIFIC INFORMATION**

**Publications**

- M.G. Uva, M. Zagari, M. Toro, E. Bonacci. Corso Glaucoma. Trattamenti medico: vecchi e nuovi approcci. Quando iniziare il trattamento. Minerva Oftalmol. Vol 55- Suppl. 1 al N. 1, Marzo 2013.
- Pedrotti E, Bruni E, Bonacci E, Badalamenti R, Mastropasqua R, Marchini G. Comparative Analysis of the Clinical Outcomes with a Monofocal and an Extended Range of Vision Intraocular Lens. J Refract Surg. 2016 Jul 1; 32(7): 436-42.
- Edizione SOI 2016- Chirurgia refrattiva – Ritardi di riepitelizzazione – G. Marchini, E. Pedrotti, E. Bonacci- pag 699-705.
- Edizione SOI 2016- Chirurgia refrattiva – L’addestramento di un nuovo chirurgo e la curva di apprendimento: come fare e cosa evitare - G. Marchini, E. Pedrotti, E. Bonacci- pag 897-900.
- Pedrotti E, Demasi CL, Fasolo A, Bonacci E, Brighenti T, Gennaro N, Ferrari M, Marchini G. Obstructive Sleep Apnea Assessed by Overnight Polysomnography in Patients With Keratoconus. Cornea. 2018 Jan 9.
- Pedrotti E., Carones F., Aiello F, Mastropasqua R, Bruni E, Bonacci E, Talli P, Nucci C, Mariotti C, Marchini G. Comparative analysis of visual outcomes with 4 intraocular lenses: monofocal, multifocal and extended range of vision. J Cataract Refract Surg. 2018 Feb;44(2):156-167
- Mattia Passilongo, Emilio Pedrotti, Pietro M. Talli, Francesco Comacchio, Adriano Fasolo, Erika Bonacci, Tommaso Merz, Jacopo Bonetto, Sara Ficial, Giorgio Marchini. Accelerated corneal crosslinking to treat Acanthamoeba and Fusarium coinfection of the cornea, JCRS Online Case Reports. Volume 6, Issue 2, 2018, Pages 19-21, ISSN 2214-1677
- Pedrotti E, Cozzini T, Fasolo A, Bonacci E, Bonetto J, Merz T, Talli P, Marchini G. Small-incision lenticule addition in ex vivo model of ectatic human corneas. Int Ophthalmol. 2019 May 13. doi: 10.1007/s10792-019-01106-8.
- Emilio Pedrotti, Grazia Caldarella, Adriano Fasolo, Erika Bonacci, Nicola Gennaro, Alessandra De Gregorio, Giorgio Marchini. Topographic and Biomechanical Changes After Application of Corneal Cross-Linking in Recurrent Keratoconus. Int J Environ Res Public Health, 16 (20). doi:

- 10.3390/ijerph16203872
- Pedrotti E, Chiarego C, Bonacci E, De Gregorio A, De Rossi A, Zuliani A, Fasolo A, Marchini G. New treatments for keratoconus. *Int Ophthalmol.* 2020 Jul;40(7):1619-1623. doi: 10.1007/s10792-020-01455-9
  - Pedrotti E, Carones F, Talli P, Bonacci E, Selvi F, Galzignato A, Besutti A, De Gregorio A, Marchini G. Comparative analysis of objective and subjective outcomes of two different intraocular lenses: trifocal and extended range of vision. *BMJ Open Ophthalmol.* 2020 Oct 14;5(1): e000497. doi: 10.1136/bmjophth-2020-000497. PMID: 33083552; PMCID: PMC7559032.
  - Pedrotti E, Chiarego C, Cozzini T, Merz T, Lagali N, De Gregorio A, Fasolo A, Bonacci E, Bonetto J, Marchini G. In Vivo Confocal Microscopy of the Corneal-Conjunctival Transition in the Evaluation of Epithelial Renewal after SLET. *J Clin Med.* 2020 Nov 6;9(11):3574. doi: 10.3390/jcm9113574. PMID: 33171960; PMCID: PMC7694659.
  - Fasolo A, Galzignato A, Pedrotti E, Chiarego C, Cozzini T, Bonacci E, Marchini G. Femtosecond laser-assisted implantation of corneal stroma lenticule for keratoconus. *Int Ophthalmol.* 2021 Feb 24. doi: 10.1007/s10792-021-01739-8. Online ahead of print. PMID: 33625651 Review.
  - Pedrotti E, Bonacci E, De Rossi A, Bonetto J, Chiarego C, Fasolo A, De Gregorio A, Marchini G. Femtosecond Laser-Assisted Big-Bubble Deep Anterior Lamellar Keratoplasty. *Clin Ophthalmol.* 2021 Feb 16;15:645-650. doi: 10.2147/OPHTH.S294966. PMID: 33623365; PMCID: PMC7896764.
  - Bonacci E, Fasolo A, Zaffanello M, Merz T, Brocoli G, Pietrobelli A, Clemente M, De Gregorio A, Longo R, Bosello F, Marchini G, Pedrotti E. Early corneal and optic nerve changes in a paediatric population affected by obstructive sleep apnea syndrome. *Int Ophthalmol.* 2021 Nov 5. doi: 10.1007/s10792-021-02115-2. Epub ahead of print. PMID: 34738205.
  - Pedrotti E, Bonacci E, Fasolo A, De Rossi A, Camposampiero D, Jones G L A, Bernardi P, Merigo F, Ponzin D, Marchini G, & Sbarbati A. (2021). Ultrastructural Analysis of Rehydrated Human Donor Corneas After Air-Drying and Dissection by Femtosecond Laser. In *Frontiers in Medicine* (Vol. 8, p. 2624). <https://www.frontiersin.org/article/10.3389/fmed.2021.787937>.
  - Pedrotti E, Bonacci E, Kilian R, Pagnacco C, Fasolo A, Anastasi M, Manzini G, Bosello F, Marchini G. The Role of Topical Povidone-Iodine in the Management of Infectious Keratitis: A Pilot Study. *J Clin Med.* 2022 Feb 5;11(3):848. doi: 10.3390/jcm11030848. PMID: 35160298; PMCID: PMC8837158.
  - Pedrotti E, Bonacci E, Chiarego C, De Gregorio A, Cozzini T, Brighenti T, Caldarella G, Pastore G, Fasolo A, Marchini G. Eight months follow-up of corneal nerves and sensitivity after treatment with cenegermin for neurotrophic keratopathy. *Orphanet J Rare Dis.* 2022 Feb 21;17(1):63. doi: 10.1186/s13023-022-02237-5. PMID: 35189948; PMCID: PMC8862484.
  - Parekh M, Pedrotti E, Viola P, Leon P, Neri E, Bosio L, Bonacci E, Ruzza A, Kaye SB, Ponzin D, Ferrari S, Roman V. Factors affecting the success rate of pre-loaded DMEK with endothelium-inwards technique: a multi-centre clinical study. *Am J Ophthalmol.* 2022 Mar 11:S0002-9394(22)00102-7. doi: 10.1016/j.ajo.2022.03.009. Epub ahead of print. PMID: 35288072.
  - Pedrotti E, Neri E, Bonacci E, Barosco G, Galzignato A, Montresor A, Rodella A, De Gregorio A, Bosello F, Marchini G. Extended Depth of Focus Versus Monofocal IOLs in Patients With High Myopia: Objective and Subjective Visual Outcomes. *J Refract Surg.* 2022 Mar;38(3):158-166. doi: 10.3928/1081597X-20211220-01. Epub 2022 Mar 1. PMID: 35275002.
  - Pedrotti E, Bonacci E, Ligozzi M, Bonetto J, Kilian R, Gibellini D, Marchini G. Prevalence of and Short-term Changes in Conjunctival Manifestations Among Patients With SARS-CoV-2 Infection. *JAMA Netw Open.* 2022 Apr 1;5(4):e227734. doi: 10.1001/jamanetworkopen.2022.7734. PMID: 35438760
  - Longo R, Franzolin E, Pedrotti E, Fasolo A, Bonacci E, Marchini G. Glaucoma surgery during the first year of the COVID-19 pandemic. *Int Ophthalmol.* 2022 Apr 16:1-7. doi: 10.1007/s10792-022-02278-6. Epub ahead of print. PMID: 35430683; PMCID: PMC9013211.
  - Pedrotti E, Bertolin M, Fasolo A, Bonacci E, Bosello F, Ponzin D, Marchini G. Autologous simple conjunctival epithelial transplantation for primary pterygium. *Int Ophthalmol.* 2022 May 25. doi: 10.1007/s10792-022-02364-9. Epub ahead of print. PMID: 35612687.

Scientific Reviewer of peer-reviewed international journals: *International Ophthalmology, Journal of Clinical Medicine and Healthcare.*

Extensive experience on corneal Limbal Stem Cells (LSC) grafts management, and on this topic she is a winner of grants, including:

- Joint Project 2018 entitled "Simple limbal epithelial translation (SLET): identification of new pharmacological targets for efficient treatment of LSC deficiency";
- partner of Caritro Project 2019 with the title "One step 3D bioprinting and in vitro validation of a full thickness corneal tissue".

Sub-investigator in several studies, including:

- Studio Osservazionale Post-Autorizzativo sull'utilizzo del collirio Oxervate® (Cenegermin 20 µg/

ml) nel trattamento di pazienti adulti con Cheratopatia Neurotrofica moderata o severa - DEV0118 – rhNGF : IT\_05 (DEV0118\_IT\_05)- codice protocollo DEV0118 .

- Phase I study evaluating tolerability and antiseptic activity of MDV0911 I/D in healthy volunteers EUDRACT 2020-003007-33; PROTOCOL CODE #0620MDV 0911 I/D.
- Amgen Protocol 20210096; A Randomized, Multi-center, Double-blind, Placebo-controlled Phase 3 Study of Bemarituzumab plus Chemotherapy versus Placebo plus Chemotherapy in Subjects with Previously Untreated Advanced Gastric or Gastroesophageal Junction Cancer with FGFR2b Overexpression. AMGEN\_FORTITUDE-101\_20210096\_ SITES: 33002\_33003\_33010CAVE-2 (Cetuximab-AVELumab) mCRC: A phase II randomized clinical study of the combination of avelumab plus cetuximab as rechallenge strategy in pre-treated RAS/BRAF wild type metastatic colorectal cancer patients. Short Trial Name: CAVE-2. EudraCT Number: 2021-004593-56
- CAVE-2 (Cetuximab-AVELumab) mCRC: A phase II randomized clinical study of the combination of avelumab plus cetuximab as rechallenge strategy in pre-treated RAS/BRAF wild type metastatic colorectal cancer patients.

## Poster

- M.G. Uva, A. Longo, C. Rapisarda, A. Cantavenera, M. Fallico, M. Reibaldi, E. Bonacci, T. Avitabile. Efficacy of trans-epithelial cross-linking for treatment of progressive keratoconus in pediatric age. ARVO 2014 Annual Meeting. Orange County Convention Center. South Building. Orlando, Florida. May 4-8, 2014.
- 8° EuCornea Congress, October 6<sup>th</sup> – 7<sup>th</sup> 2017 - Evaluation of corneal biomechanical behaviour and corneal ex vivo destructive test after different femtolaser-assisted corneal incision patterns for transplantation.
- 8° EuCornea Congress, October 6<sup>th</sup> – 7<sup>th</sup> 2017 - Restoration of normal morphology in corneal ectasia by insertion of a stromal lenticule created by femtosecond laser: an ex vivo preclinical study.
- XXXV Congress of the ESCRS, October 7<sup>th</sup> – 11<sup>th</sup> 2017 – Analysis of the clinical outcomes with diffractive ENLIGHTEN (ENhanced LIGHT ENergy) and an extended-range-of-vision intraocular lens.
- B0043 Erika Bonacci, E. Pedrotti, C. Chierogo, J. Bonetto, P. Talli, T. Merz, G. Marchini. FSL-assisted trephinations profiles: “decagonal”, “zig-zag” and “butt-joint”. Eye Clinic University, Verona, Italy. ARVO 2018 Annual Meeting. Hawaii Convention Center. Honolulu, Hawaii. April 29 – May 3
- B0037 Emilio Pedrotti, C. Chierogo, E. Bonacci, T. Merz, P. Talli, J. Bonetto, G. Marchini. Intrastromal Keratoplasty: new prospects for the treatment of keratoconus. Ophthalmology, University of Verona, Verona, Italy. ARVO 2018 Annual Meeting. Hawaii Convention Center. Honolulu, Hawaii. April 29 – May 3.

## Communications

- SIGLA/AIGS Congress, June 9<sup>th</sup> – 11<sup>th</sup> 2016
- SICSSO Congress, June 23<sup>rd</sup> – 25<sup>th</sup> 2016
- 96° SOI National Congress, November 23<sup>rd</sup> – 26<sup>th</sup> 2016 - Analisi comparativa dei risultati clinici di 3 differenti modelli di lenti intraoculari che correggono la presbiopia
- 15° SOI International Congress, May 24<sup>rd</sup> – 27<sup>th</sup> 2017 - Prevalenza e fattori di rischio di OSA in pazienti affetti da KC
- 15° SOI International Congress, May 24<sup>rd</sup> – 27<sup>th</sup> 2017 – Analisi comparativa dei risultati clinici di dopo impianto di due differenti MIOL: ENLIGHTEN E ERV
- 15° SOI International Congress, May 24<sup>rd</sup> – 27<sup>th</sup> 2017- Monitoraggio continuativo della PIO in pazienti con NTG affetti da OSA.
- 15° SOI International Congress, May 24<sup>rd</sup> – 27<sup>th</sup> 2017 - Prevalenza e fattori di rischio di malattie oculari in pazienti con sindrome delle apnee notturne: i risultati dello studio SLE.E.P.Y
- SICSSO Congress, June 22<sup>nd</sup> – 24<sup>th</sup> 2017 - Corneal Ulcer in Gorlin-Goltz's Syndrome
- 97° SOI National Congress, November 29<sup>th</sup> – December 26<sup>th</sup> 2017 - Inserzione di un lenticolo stromale creato con laser a femtosecondi per ripristinare la normale morfologia in cornee ectasiche: uno studio preclinico ex-vivo – E. Pedrotti, C. Chierogo, T. Merz, P.M. Talli, E. Bonacci,
- J. Bonetto, G. Marchini (Verona)
- 97° SOI National Congress, November 29<sup>th</sup> – December 26<sup>th</sup> 2017- Valutazione dei parametri oculari in una popolazione di pazienti pediatriche affetti da disturbi del respiro – E. Bonacci, E. Pedrotti, T. Merz, P. Talli, J. Bonetto, G. Marchini (Verona)
- 97° SOI National Congress, November 29<sup>th</sup> – December 26<sup>th</sup> 2017-Valutazione della biomeccanica corneale ed ex vivo destructive test dopo esecuzione di incisioni corneali femtolaser-assistite di differenti morfologie finalizzate al trapianto E. Pedrotti, C. Chierogo, J. Bonetto, E. Bonacci, P. Talli, T. Merz, G. Marchini (Verona)

- Il sessione DISTURBI RESPIRATORI DEL SONNO: Esperti a confronto. May 11st 2018, Verona. Azienda Ospedaliera Universitaria Integrata, Verona. PATOLOGIA OCULARE E DRS: LE EVIDENZE DI UN RAPPORTO NON VIRTUOSO. A. Fasolo, E. Pedrotti, T. Cozzini, E. Bonacci, G. Marchini.
- 16° SOI International Congress May 16th – 18th 2018. SIMPLE LIMBAL EPITHELIAL TRANSPLANTATION (SLET): una possibile alternativa per il trattamento dei deficit di cellule staminali limbari. E. Pedrotti, T. Merz, E. Bonacci, J. Bonetto, C. Chiarego, P.M. Talli, G. Marchini
- 16° SOI International Congress May 16th – 18th 2018. IOL EDOF REFRATTIVE NEL MIOPE: UNA NON CONTROINDICAZIONE. E. Bonacci, E. Pedrotti, P.M. Talli, T. Merz, A. Galzignato, F. Selvi, J. Bonetto, G. Marchini
- SICSSO Congress, June 21st -23rd 2018. Femtosecond deep lamellar keratoplasty for management of Keraklear artificial corneal extrusion (\*Giovani Oculisti Italiani - GOI) E. Bonacci, J. Bonetto, E. Pedrotti (Verona)
- 98° SOI National Congress, November 28th- December 2nd 2018. “Chirurgia tradizionale VS Mininvasiva: opportunità o limite per il giovane chirurgo?” (\*Giovani Oculisti Italiani - GOI)
- 35° SOT Annual Congress, May 17th 2019. Sessione I La novità di quest’anno: Caso clinico 3. Un nuovo approccio alla patologia Cheratoplastica intrastromale per il trattamento del cheratocono E. Bonacci
- SICSSO Congress, June 27st -29rd 2019. Twelve month follow up of intrastromal keratoplasty: new perspectives for the treatment of keratoconus Best paper contest for Ophthalmologists under 40) E. Bonacci, E. Pedrotti, J. Bonetto, T. Cozzini, G. Caldarella, A. Galzignato, T. Merz, P. Talli, G. Marchini (Verona)
- SICSSO Congress, June 21st -23rd 2018. Identification of FS-assisted wound configurations to provide less astigmatism and higher corneal biomechanical stability: “zig-zag” and “butt-joint” cutting profiles. Poster Area. E. Pedrotti, C. Chiarego, J. Bonetto, E. Bonacci, P. Talli, T. Merz, G. Marchini (Verona)
- SITRAC congress, February 17th-19th 2022. Diagnosi con biomicroscopia, citologia ad impressione o microscopia confocale. E. Bonacci
- 1° SISO Congress, May 19<sup>th</sup>-21<sup>st</sup> 2022. Planning & performing complex corneal surgery. Tavola Rotonda. Francesco Aiello, Erika Bonacci, Giuseppe Giannaccare, Andrea Lucisano, Antonello Moramarco, Riccardo Vinciguerra, Pietro Viola
- 1° Corneal confocal microscopy consensus conference, May 28-29, 2022 Qatar. Attendance

Supervisor and co-supervisor of degree thesis

- Studio della biomeccanica corneale nei pazienti sottoposti a meniscus-shaped stromal lenticule addition keratoplasty (MS-SLAK) per il trattamento del cheratocono avanzato: long term results. Corso di laurea Magistrale a ciclo unico in Medicina e Chirurgia. AA 2019/20. Università degli studi di Verona
- Tecniche di imaging corneale nella pianificazione preoperatoria della chirurgia della cataratta: il ruolo dell’Ortottista ed Assistente in Oftalmologia. Tesi di Laurea in Ortottica ed Assistenza Oftalmologica. AA 2020/21

Awards

Thea Trophy Contest Edition 2016/2017- National Italian Winner on the theme: Not- Surgical treatment of corneal disorders.

References

Prof. G. Marchini, Chief of Department of Ophthalmology, University of Verona +39 0458122340

I hereby authorize treatment of my data according to the applicable local regulation about data protection and any further amendments”

Updated on June 2<sup>nd</sup> 2022

*Consapevole che le dichiarazioni false comportano l’applicazione delle sanzioni previste dall’articolo 76 del D.P.R. 445/2000, dichiaro che le informazioni riportate nel curriculum vitae corrispondono a verità.*

Le dichiarazioni rese nel curriculum sono rilasciate ai sensi degli articoli 46 e 47 del D.P.R. 445/2000



Dott. Erika Bonacci