

CURRICULUM VITAE



INFORMAZIONI PERSONALI

Nome
Indirizzo
Telefono
Fax
E-mail
Nazionalità
Data di nascita

MICHELE CARBONELLI

Italiana
19-04-1976

ISTRUZIONE E FORMAZIONE

- Data: 2005
- Data: 2002
- Data: 2002
- Data: 2001
- Data: 1994

Specializzazione in Oftalmologia presso l'Università degli Studi di Bologna, con la votazione di 70/70 e lode
Iscrizione all'Albo professionale dei Medici Chirurghi di Rimini al numero 1548 dal 06-08-2002
Abilitazione all'esercizio professionale presso l'Università degli Studi di Bologna
Laurea in Medicina e Chirurgia presso l'Università degli Studi di Bologna con la votazione di 110/110 e lode
Conseguimento del diploma di maturità scientifica presso il Liceo Scientifico "A. Einstein" di Rimini con la votazione di 52/60

ESPERIENZA LAVORATIVA

- Data: **dal 2005**
- Nome e indirizzo del datore di lavoro
- Principali mansioni e responsabilità
- Principali materie/abilità professionali oggetto dello studio

Libero Professionista
Studio Oculistico d'Azeglio via d'Azeglio 5, 40123 Bologna Italy

Attività di diagnostica oftalmologica
Attività chirurgica del segmento anteriore e posteriore dell'occhio
Neurooftalmologia
Otticopatie ereditarie (LHON, DOA), otticopatie in corso di malattie neurodegenerative e infiammatorie e otticopatia glaucomatosa
Patologia retinica medica e chirurgica
Cataratta

CAPACITÀ E COMPETENZE PERSONALI

PRIMA LINGUA

Italiano

ALTRE LINGUE

- | | |
|---------------------------------|----------|
| | Inglese |
| • Capacità di lettura | Buona |
| • Capacità di scrittura | Buona |
| • Capacità di espressione orale | Discreta |

CAPACITÀ E COMPETENZE
TECNICHE

Ottima conoscenza dei programmi per il computer con sistema operativo Apple e Windows

- Iscrizione: Association for research in vision and ophthalmology, European Society of Retina Specialists, American Society of Cataract and Refractive Surgery, European Society of Cataract and Refractive Surgery, Società Oftalmologica Italiana (SOI), Associazione Italiana della chirurgia della Cataratta e Refrattiva (AICCER).
- Progetti di ricerca con diverse università e centri di ricerca nel mondo (UNIVERSITA' DI BOLOGNA, UNIVERSITY OF SOUTH CALIFORNIA, UNIVERSITY OF SAU PAULO.)
- Periodo di perfezionamento presso BASCOM PALMER EYE INSTITUTE MIAMI FLORIDA (2009)
- Partecipazione come consulente oftalmologico del trial clinico sulla Levo-Carnitina (Sigma-Tau) in collaborazione con la clinica Neurologica dell'Università degli Studi di Bologna nle biennio 2013 e 2014
- Contrattista presso l'IRCCS - Fondazione "G.B. Bietti" per lo Studio e la Ricerca in Oftalmologia ONLUS nel biennio 2011 e 2012
- Contrattista presso la clinica Neurologica di Bologna nel biennio 2009-10 nel progetto per lo studio dei pazienti con Otticopatie ereditarie (LHON-DOA)
- Partecipazioni a diverse missioni umanitarie mediche con UnaSolaVita ONLUS
- Relatore in numerosi congressi e corsi nazionali e internazionali nell'ambito delle Otticopatie ereditarie, delle otticopatie in corso di malattie neurodegenerative e infiammatorie (Parkinson, Alzheimer, Multiple sclerosis) e del loro studio con tecnica OCT (Optical coherence tomography)
- 45 pubblicazioni su riviste internazionali (peer-reviewed)
- H-index: 19 (aggiornato a settembre 2014)
- I10-index: 28 (aggiornato a settembre 2014)

1. Carelli V, Sabatelli M, Carrozzo R, Rizza T, Schimpf S, Wissinger B, Zanna C, Rugolo M, La Morgia C, Caporali L, Carbonelli M, Barboni P, Tonon C, Lodi R, Bertini E. 'Behr syndrome' with OPA1 compound heterozygote mutations. *Brain*. 2015 Jan;138(Pt 1):e321. (IF:10.226)
2. La Morgia C, Carbonelli M, Barboni P, Sadun AA, Carelli V. Medical management of hereditary optic neuropathies. *Front Neurol*. 2014 Jul 31;5:141.Review.
3. Carossa V, Ghelli A, Tropeano CV, Valentino ML, Iommarini L, Maresca A, Caporali L, La Morgia C, Liguori R, Barboni P, Carbonelli M, Rizzo G, Tonon C, Lodi R, Martinuzzi A, De Nardo V, Rugolo M, Ferretti L, Gandini F, Pala M, Achilli A, Olivieri A, Torroni A, Carelli V. A novel in-frame 18-bp microdeletion in MT-CYB causes a multisystem disorder with prominent exercise intolerance. *Hum Mutat*. 2014 Aug;35(8):954-8. (IF:5.05)
4. Savini G, Carbonelli M, Ducoli P, Hoffer KJ, Barboni P. Comparison of refractive stability after non-toric versus toric intraocular lens implantation during cataract surgery. *Am J Ophthalmol*. 2014 Apr;157(4):918-9. (IF:3.631)
5. Savini G, Hoffer KJ, Carbonelli M, Ducoli P, Barboni P. Influence of axial length and corneal power on the astigmatic power of toric intraocular lenses. *J Cataract Refract Surg*. 2013 Dec;39(12):1900-3. (IF:2.522)
6. Savini G, Hoffer KJ, Carbonelli M, Barboni P. Scheimpflug analysis of corneal power changes after myopic excimer laser surgery. *J Cataract Refract Surg*. 2013 Apr;39(4):605-10. (IF:2.552)

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7. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Comparison of methods to measure corneal power for intraocular lens power calculation using a rotating Scheimpflug camera. *J Cataract Refract Surg.* 2013 Apr;39(4):598-604. (IF:2.552)
 8. Barboni P, Carelli V, Savini G, Carbonelli M, La Morgia C, Sadun AA. Microcystic macular degeneration from optic neuropathy: not inflammatory, not trans-synaptic degeneration. *Brain.* 2013 Jul;136(Pt 7):e239. (IF:9.915)
 9. Barboni P, Valentino ML, La Morgia C, Carbonelli M, Savini G, De Negri A, Simonelli F, Sadun F, Caporali L, Maresca A, Liguori R, Baruzzi A, Zeviani M, Carelli V. Idebenone treatment in patients with OPA1-mutant dominant optic atrophy. *Brain.* 2013 Feb;136(Pt 2):e231. (IF:9.915)
 10. Savini G, Hoffer KJ, Carbonelli M. Anterior chamber and aqueous depth measurement in pseudophakic eyes: agreement between ultrasound biometry and scheimpflug imaging. *J Refract Surg.* 2013 Feb;29(2):121-5. (IF:2.781)
 11. Barboni P, Savini G, Feuer WJ, Budenz DL, Carbonelli M, Chicani F, Ramos CD, Salomao SR, De Negri A, Parisi V, Carelli V, Sadun AA. Retinal nerve fiber layer thickness variability in Leber hereditary optic neuropathy carriers. *Eur J Ophthalmol.* 2012 May 4;22(6):985-991. (IF:0.912)
 12. La Morgia C, Barboni P, Rizzo G, Carbonelli M, Savini G, Scaglione C, Capellari S, Bonazza S, Giannoccaro MP, Calandra-Buonaura G, Liguori R, Cortelli P, Martinelli P, Baruzzi A, Carelli V. Loss of temporal retinal nerve fibers in Parkinson disease: a mitochondrial pattern?. *Eur J Neurol.* 2013 Jan;20(1):198-201. (IF:4.162)
 13. Camellin M, Savini G, Hoffer KJ, Carbonelli M, Barboni P. Scheimpflug camera measurement of anterior and posterior corneal curvature in eyes with previous radial keratotomy. *J Refract Surg.* 2012 Apr;28(4):275-9. (IF:2.474)
 14. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Accuracy of corneal power measurements by a new Scheimpflug camera combined with Placido-disk corneal topography for intraocular lens power calculation in unoperated eyes. *J Cataract Refract Surg.* 2012 May;38(5):787-92. (IF:2.527)
 15. Savini G, Barboni P, Carbonelli M, Sbriglia A, Deluigi G, Parisi V. Comparison of Optic Nerve Head Parameter Measurements Obtained by Time-domain and Spectral-domain Optical Coherence Tomography. *J Glaucoma.* 2012 Feb 24. (IF:1.865)
 16. Savini G, Barboni P, Carbonelli M, Carelli V, Sadun AA. Optical coherence tomography for optic disc edema. *Arch Ophthalmol.* 2011 Sep;129(9):1245-6; author reply 1246-7 (IF:3.711)
 17. Savini G, Carbonelli M, Sbriglia A, Barboni P, Deluigi G, Hoffer KJ. Comparison of anterior segment measurements by 3 Scheimpflug tomographers and 1 Placido corneal topographer. *J Cataract Refract Surg.* 2011 Sep;37(9):1679-85. (IF:2.264)
 18. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Repeatability of automatic measurements by a new Scheimpflug camera combined with Placido topography. *J Cataract Refract Surg.* 2011 Oct;37(10):1809-16. (IF:2.264)
 19. Carelli V, La Morgia C, Valentino ML, Rizzo G, Carbonelli M, De Negri AM, Sadun F, Carta A, Guerriero S, Simonelli F, Sadun AA, Aggarwal D, Liguori R, Avoni P, Baruzzi A, Zeviani M, Montagna P, Barboni P.

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- Idebenone treatment in Leber's hereditary optic neuropathy. *Brain*. 2011 Sep;134(Pt 9):e188. (IF: 9.457)
20. Barboni P, Savini G, Parisi V, Carbonelli M, La Morgia C, Maresca A, Sadun F, De Negri AM, Carta A, Sadun AA, Carelli V. Retinal nerve fiber layer thickness in dominant optic atrophy measurements by optical coherence tomography and correlation with age. *Ophthalmology*. 2011 Oct;118(10):2076-80. (IF: 5.454)
 21. Savini G, Carbonelli M, Parisi V, Barboni P. Repeatability of optic nerve head parameters measured by spectral-domain OCT in healthy eyes. *Ophthalmic Surg Lasers Imaging*. 2011 May-Jun;42(3):209-15. (IF: 1.300)
 22. Savini G, Barboni P, Parisi V, Carbonelli M. The influence of axial length on retinal nerve fibre layer thickness and optic-disc size measurements by spectral-domain OCT. *Br J Ophthalmol*. 2012 Jan;96(1):57-61. (IF: 2.705)
 23. Savini G, Carbonelli M, Barboni P. Spectral-domain optical coherence tomography for the diagnosis and follow-up of glaucoma. *Curr Opin Ophthalmol*. 2011 Mar;22(2):115-23. (IF: 2.646)
 24. Savini G, Carbonelli M, Barboni P, Hoffer KJ. Repeatability of automatic measurements performed by a dual Scheimpflug analyzer in unoperated and post-refractive surgery eyes. *J Cataract Refract Surg*. 2011 Feb;37(2):302-9. (IF: 2.264)
 25. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Accuracy of a dual Scheimpflug analyzer and corneal topography system for intraocular lens power calculation in unoperated eyes. *J Cataract Refract Surg*. 2011 Jan;37(1):72-6. (IF: 2.264)
 26. Savini G, Carbonelli M, Barboni P. Cataract surgery in posterior polymorphous corneal dystrophy. *Br J Ophthalmol* 2010 Oct 20 (IF: 2.934)
 27. Defective Mitochondrial Adenosine Triphosphate Production in Skeletal Muscle From Patients With Dominant Optic Atrophy Due to OPA1 Mutations. Lodi R, Tonon C, Valentino ML, Manners D, Testa C, Malucelli E, La Morgia C, Barboni P, Carbonelli M, Schimpf S, Wissinger B, Zeviani M, Baruzzi A, Liguori R, Barbiroli B, Carelli V. *Arch Neurol*. 2011 Jan;68(1):67-73. (IF: 7.584)
 28. Savini G, Hoffer KJ, Carbonelli M, Barboni P. Intraocular lens power calculation after myopic excimer laser surgery: a clinical comparison of published methods. *J Cataract Refract Surg* 2010;36:1455-1465. (IF: 2.942)
 29. Savini G, Olsen T, Carbonara C, Pazzaglia S, Barboni P, Carbonelli MD, Hoffer KJ. Anterior chamber depth measurement in pseudophakic eyes: a comparison between Pentacam and ultrasound. *J Refract Surg* 2010;26:341-347. (IF: 2.491)
 30. Savini G, Carbonelli M, Parisi V, Barboni P. Effect of pupil dilation on retinal nerve fiber layer thickness measurements and their repeatability with Cirrus HD-OCT. *Eye (Lond)*. 2010 Sep;24(9):1503-8. (IF: 1.86)
 31. Barboni P, Carbonelli M, Savini G, Foscari B, Parisi V, Valentino ML, Carta A, De Negri AM, Sadun F, Zeviani M, Sadun AA, Schimpf S, Wissinger B. OPA1 mutations associated with dominant optic atrophy influence optic nerve head size. *Ophthalmology* 2010;117:1547-1553. (IF: 5.017)
 32. Savini G, Carbonelli M, Barboni P, Hoffer KJ. Clinical relevance of radius

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- of curvature error in corneal power measurements after excimer laser surgery. *J Cataract Refract Surg* 2010;36:82-86. (IF: 2.942)
33. Barboni P, Carbonelli M, Savini G, Ramos Cdo V, Carta A, Sadun F, De Negri AM, Carelli V, Sadun AA. Natural history of Leber's Hereditary Optic Neuropathy: longitudinal analysis of the retinal nerve fiber layer by OCT. *Ophthalmology* 2010;117:623-627. (IF: 5.017)
34. Savini G, Carbonelli M, Barboni P. Retinal Nerve Fiber Layer Thickness Measurement by Fourier-domain Optical Coherence Tomography: A Comparison Between Cirrus-HD OCT and RTVue in Healthy Eyes. *J Glaucoma*. 2010 Aug;19(6):369-72. (IF: 1.533)
35. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Agreement between Pentacam and videokeratography in corneal power assessment. *J Refract Surg* 2009;25:534-538. (IF: 2.32)
36. Savini G, Barboni P, Carbonelli M, Hoffer KJ. Accuracy of Scheimpflug corneal power measurements for intraocular lens power calculation. *J Cataract Refract Surg* 2009;35:1193-1197. (IF: 2.745)
37. Savini G, Goto E, Carbonelli M, Barboni P, Huang D. Agreement between stratus and visante optical coherence tomography systems in tear meniscus measurements. *Cornea*. 2009;28:148-51. (IF: 2.106)
38. do V F Ramos C, Bellusci C, Savini G, Carbonelli M, Berezovsky A, Tamaki C, Cinoto RW, Sacai PY, Moraes-Filho MN, Miura HM, Valentino ML, Iommarini L, De Negri AM, Sadun F, Cortelli P, Montagna P, Salomao SR, Sadun A, Carelli V, Barboni P. Association of optic disc size with development and prognosis of Leber's hereditary optic neuropathy. *Invest Ophthalmol Vis Sci*. 2009;50:1666-74. (IF: 3.431)
39. Savini G, Espana EM, Acosta AC, Carbonelli M, Bellusci C, Barboni P. Agreement between optical coherence tomography and digital stereophotography in vertical cup-to-disc ratio measurement. *Graefes Arch Clin Exp Ophthalmol*. 2009;247:377-83. (IF: 2.102)
40. Bellusci C, Savini G, Carbonelli M, Carelli V, Sadun AA, Barboni P. Retinal nerve fiber layer thickness in nonarteritic anterior ischemic optic neuropathy: OCT characterization of the acute and resolving phases. *Graefes Arch Clin Exp Ophthalmol* 2008;246:641-647. (IF: 1.77)
41. Carbonelli M, Savini G, Zanini M, Barboni P. Peripapillary detachment in pathologic myopia: unusual OCT findings. *Clin Ophthalmol* 2007; 1(3):1-3. (IF: 0.0)
42. Savini G, Barboni P, Carbonelli M, Zanini M. The influence of scan diameter on retinal nerve fiber layer thickness measurement by StratusOCT: *Arch Ophthalmol* 2007; 125: 901-905. (IF: 3.242)
43. Barboni P, Savini G, Valentino ML, La Morgia C, Bellusci C, De Negri AM, Sadun F, Carta A, Carbonelli M, Sadun AA, Carelli V. Leber's hereditary optic neuropathy with childhood onset. *Invest Ophthalmol Vis Sci* 2006;47:5303-5309. (IF: 3.766)
44. Savini G, Bellusci C, Carbonelli M, Zanini M, Carelli V, Sadun AA, Barboni P. Detection and quantification of retinal nerve fiber layer thickness in optic disc edema using stratus OCT. *Arch Ophthalmol* 2006;124:1111-1117. (IF: 3.206)
45. Cellini M, Bernabini B, Carbonelli Z, Zamparini E, Campos EC. Optical

coherence tomography, frequency-doubling technology, and colour doppler imaging in ocular hypertension. *Eye (Lond)*. 2007 Aug;21(8):1071-7. (IF: 2.084)

PATENTE

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Il sottoscritto è a conoscenza che, ai sensi dell'art. 26 della legge 15/68, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali. Inoltre, la sottoscritta autorizza al trattamento dei dati personali, secondo quanto previsto dalla Legge 675/96 del 31 dicembre 1996.

Bologna, 25 Febbraio 2015