

## **BRIEF CV PROF. CAVALLINI**

Gian Maria Cavallini is. Head of the Institute of Ophthalmology and director of Specialty School of Ophthalmology, and Associate Professor in Ophthalmology of Faculty of Medicine, University of Modena and Reggio Emilia, Italy.

He has been graduated at School of Medicine of the University of Siena, Italy, prior to specializing in Ophthalmology in Trieste in 1986.

His scientific production regards cataract surgery especially bimanual microphacoemulsification (B-MICS) and its application in complex cases, combined surgery with corneal transplantation and vitreoretinal surgery.

Prof Cavallini is currently carrying out researches on minimally invasive incisions in B-MICS and on the morphological features of clear corneal incisions. He is also focusing on oclinical risk management in eye surgery and on B-MICS learning curve for surgeon in training.

He personally performed over 20.000 surgical procedures on the anterior and posterior segment.

He has a partnership with Regenerative Medicine Department of the University of Modena and Reggio Emilia for the study of limbal stem cell transplantation for the treatment of the ocular surface diseases.

### **Papers listed on Index Medicus and with impact factor (JCR):**

1. Cavallini GM, Volante V, Verdina T, Forlini M, Bigliardi MC, De Maria M, Torlai G, Delvecchio G. Results and complications of surgeons-in-training learning bimanual microincision cataract surgery. *J Cataract Refract Surg.* 2015 Jan;41(1):105-15.
2. Cavallini GM, Volante V, Bigliardi MC, Mascia MT, Forlini M. Bilateral posterior scleritis as a presenting manifestation of giant cell arteritis: A case report. *Can J Ophthalmol.* 2014 Dec;49(6):e141-3.
3. Forlini M, Adabache-Guel T, Bratu A, Rossini P, Mingaine MS, Cavallini GM, Forlini C. Endoscopic cyclophotocoagulation in refractory glaucoma after osteo-odonto-keratoprosthesis in Stevens-Johnson syndrome: a case report. *Retin Cases Brief Rep.* 2014 Summer;8(3):193-6.
4. Cavallini GM, Pellegrini G, Volante V, Ducange P, De Maria M, Torlai G, Benatti C, Forlini M. Chemical injury treated with autologous limbal epithelial stem cell transplantation and subconjunctival bevacizumab. *Clin Ophthalmol.* 2014 Aug 30;8:1671-3.
5. Giuliani D, Bitto A, Galantucci M, Zaffe D, Ottani A, Irrera N, Neri L, Cavallini GM, Altavilla D, Botticelli AR, Squadrito F, Guarini S. Melanocortins protect against progression of Alzheimer's disease in triple-transgenic mice by targeting multiple pathophysiological pathways. *Neurobiol Aging.* 2014 Mar;35(3):537-47. doi: 10.1016/j.neurobiolaging.2013.08.030. Epub 2013 Oct 1.
6. Cavallini GM, Ducange P, Volante V, Benatti C. Successful treatment of Fusarium keratitis after photo refractive keratectomy. *Indian J Ophthalmol.* 2013 Nov;61(11):669-71. doi: 10.4103/0301-4738.120213.

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10. Forlini C, Forlini M, Rejdak R, Prokopiuk A, Levkina O, Bratu A, Rossini P, Cagampang PR, Cavallini GM. Simultaneous correction of post-traumatic aphakia and aniridia with the use of artificial iris and IOL implantation. *Graefes Arch Clin Exp Ophthalmol*. 2013 Mar;251(3):667-75. doi: 10.1007/s00417-012-2254-7. Epub 2013 Jan 17.
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12. Cavallini GM, Campi L, De Maria M, Forlini M. Clinical risk management in eye outpatient surgery: a new surgical safety checklist for cataract surgery and intravitreal anti-VEGF injection. *Graefes Arch Clin Exp Ophthalmol*. 2013 Mar;251(3):889-94. doi: 10.1007/s00417-012-2206-2. Epub 2012 Nov 23.
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Chapter of books published by national and international publishers:

1. Cavallini GM. BMICS – Bimanual Micro Incision Cataract Surgery. Athena Srl. 2014
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