



PD Dr. med. Gian-Marco Sarra

Leitender Arzt

Facharzt Ophthalmologie FMH, spez. Ophthalmochirurgie

Ausbildung und Werdegang

ab 01/2013	Belegarzt Augenchirurgie, Spital Siloah AG, Gümligen
ab 12/2010	Belegarzt Augenchirurgie spez. vitreoretinale Chirurgie, Augenklinik Heuberger, Olten
ab 01/2009	Eröffnung der Augenarztpraxis Emme in Burgdorf, Chefarzt im Nebenamt für Ophthalmologie am Regionalspital Emmental
ab 09/2008	Belegarzt Augenchirurgie spez. vitreoretinale Chirurgie, Vista Alpina AG, Visp, VS
02/2008 – 09/2008	Leitender Arzt Augenpoliklinik Inselspital Bern, Spez. für konservative Retinologie, Lasertherapie und vitreoretinale Chirurgie
03/2002 – 01/2008	Oberarzt Augenklinik Inselspital Bern, Leitung des Ophthalmopathologischen Labors
01/2001 – 02/2002	Oberarzt Augenklinik Kantonsspital, Winterthur
01/1999 – 12/2000	Research Fellow, Dept. Molecular Genetics und Dept. Pathology, Institute of Ophthalmology, London
1992 – 1998	Assistenzarzt an den Kliniken Stadtspital Triemli Zürich, Kantonsspital St. Gallen, Universitätsspital Zürich

Qualifikationen und Diplome

2007	Venia docendi für das Fach Ophthalmologie der Universität Bern
2002	FMH Titel für Ophthalmologie spez. Ophthalmochirurgie
1998	FMH Titel für Ophthalmologie
1998	International Council of Ophthalmology; Basic Science Assessment Test in Ophthalmology
1997	Dissertation: „Pathologie der Retina“ (Medizinische Fakultät, Universität Zürich)
1991	Staatsexamen (Medizinische Fakultät, Universität Zürich)

Preise und Anerkennungen

2006	Posterpreis der SOG (Senior-Autor): Intravitreal bevacizumab (Avastin) in the treatment of neovascular glaucoma.
2003	Posterpreis der SOG (Mit-Autor): Distribution of Amyloid-Precursor-Protein and Amyloid-Beta in DBA/2J Glaucomatous Mouse Retinas
2003	Förderpreis der Alfred Vogt-Stiftung 2002

Publikationen

Pneumocystis carinii infection of the conjunctiva in a patient with acquired immune deficiency syndrome. Sarra GM, Weber R, Messmer EP, Font RL, Moll C, Bernauer W.: Ophthalmology. 1997 Nov;104(11):1853-6.

Restoration of photoreceptor ultrastructure and function in retinal degeneration slow mice by gene therapy. Ali RR, Sarra GM, Stephens C, Alwis MD, Bainbridge JW, Munro PM, Fauser S, Reichel MB, Kinnon C, Hunt DM, Bhattacharya SS, Thrasher AJ.: Nat Genet. 2000 Jul;25(3):306-10.

Gene replacement therapy in the retinal degeneration slow (rds) mouse: the effect on retinal degeneration following partial transduction of the retina. Sarra GM, Stephens C, de Alwis M, Bainbridge JW, Smith AJ, Thrasher AJ, Ali RR.: Hum Mol Genet. 2001 Oct 1;10(21):2353-61.

Kinetics of transgene expression in mouse retina following sub-retinal injection of recombinant adeno-associated virus. Sarra GM, Stephens C, Schlichtenbrede FC, Bainbridge JW, Thrasher AJ, Luthert PJ, Ali RR.: *Vision Res.* 2002 Feb;42(4):541-9.

[Progress in somatic gene therapy of retinal degeneration in the animal model] Schlichtenbrede FC, Sarra GM, Ali RR, Wiedemann P, Reichel MB.: *Ophthalmologe.* 2002 Apr;99(4):259-65. Review. German.

Generation of activated sialoadhesin-positive microglia during retinal degeneration. Hughes EH, Schlichtenbrede FC, Murphy CC, Sarra GM, Luthert PJ, Ali RR, Dick AD.: *Invest Ophthalmol Vis Sci.* 2003 May;44(5):2229-34.

Clinical description and exclusion of candidate genes in a novel autosomal recessively inherited vitreo-retinal dystrophy. Sarra GM, Weigell-Weber M, Kotzot D, Niemeyer G, Messmer E, Hergersberg M.: *Arch Ophthalmol.* 2003 Aug;121(8):1109-16.

Genomewide homozygosity mapping and molecular analysis of a candidate gene located on 22q13 (fibulin-1) in a previously undescribed vitreoretinal dystrophy. Weigell-Weber M, Sarra GM, Kotzot D, Sandkuijl L, Messmer E, Hergersberg M.: *Arch Ophthalmol.* 2003 Aug;121(8):1184-8.

[Filtering glaucoma surgery as outpatient procedure] Stürmer J, Meier F, Sarra GM.: *Klin Monatsbl Augenheilkd.* 2004 May;221(5):334-8. German.

[Capsular bag distention after implantation of foldable acrylic lenses] Meier FM, Sarra GM, Stürmer JP.: *Klin Monatsbl Augenheilkd.* 2004 May;221(5):315-8. German.

Evolution of HIV-1-related conjunctival molluscum contagiosum under HAART: report of a bilaterally manifesting case and literature review. Schulz D, Sarra GM, Koerner UB, Garweg JG.: *Graefes Arch Clin Exp Ophthalmol.* 2004 Nov;42(11):951-5. Epub 2004 Jun 22. Review.

Determination of microdot stromal degenerations within corneas of long-term contact lens wearers by confocal microscopy. Trittibach P, Cadez R, Eschmann R, Sarra GM, Boehnke M, Frueh BE.: *Eye Contact Lens.* 2004 Jul;30(3):127-31.

Effect of steroidal and non-steroidal drugs on the microglia activation pattern and the course of degeneration in the retinal degeneration slow mouse. Sarra GM, Sarra FG, Schlichtenbrede FC, Trittibach P, Estermann S, Tsiroukis E, Ali RR, Luthert PJ, Reichel MB.: *Ophthalmic Res.* 2005 Mar-Apr;37(2):72-82. Epub 2005 Mar 3.

Topical caspofungin for treatment of keratitis caused by *Candida albicans* in a rabbit model. Goldblum D, Frueh BE, Sarra GM, Katsoulis K, Zimmerli S.: *Antimicrob Agents Chemother.* 2005 Apr;49(4):1359-63.

Vitrectomy for juvenile uveitis: prognostic factors for the long-term functional outcome. Trittibach P, Koerner F, Sarra GM, Garweg JG.: *Eye.* 2006 Feb;20(2):184-90.

Local administration of an adeno-associated viral vector expressing IL-10 reduces monocyte infiltration and subsequent photoreceptor damage during experimental autoimmune uveitis. Broderick CA, Smith AJ, Balaggan KS, Georgiadis A, Buch PK, Trittibach PC, Barker SE, Sarra GM, Thrasher AJ, Dick AD, Ali RR.: *Mol Ther.* 2005 Aug;12(2):369-73. Erratum in: *Mol Ther.* 2006 Apr;13(4):829.

[Pars plana vitrectomy for idiopathic vitreous floaters] Roth M, Trittibach P, Koerner F, Sarra G.: *Klin Monatsbl Augenheilkd.* 2005 Sep;222(9):728-32. German.

The diagnostic yield of vitrectomy specimen analysis in chronic idiopathic endogenous uveitis. Garweg JG, Wanner D, Sarra GM, Altwegg M, Loosli H, Kodjikian L, Halberstadt M.: *Eur J Ophthalmol.* 2006 Jul-Aug;16(4):588-94.

Bilateral central crystalline corneal deposits four years after intacs for myopia. Katsoulis K, Sarra GM, Schittny JC, Frueh BE.: *J Refract Surg.* 2006 Nov;22(9):910-3.

Intravitreal bevacizumab (Avastin) in the treatment of neovascular glaucoma. Iliev ME, Domig D, Wolf-Schnurrbursch U, Wolf S, Sarra GM.: *Am J Ophthalmol.* 2006 Dec;142(6):1054-6. Epub 2006 Aug 2.

Glaucoma phenotype in a large Swiss pedigree with the myocilin Gly367Arg mutation. Iliev ME, Bodmer S, Gallati S, Lanz R, Sturmer J, Katsoulis K, Wolf S, Trittibach P, Sarra GM.: *Eye.* 2008 Jul;22(7):880-8. Epub 2007 Feb 16.

Combined central retinal vein and cilioretinal artery occlusion. Querques G, Prascina F, Sarra GM, Iaculli C, Delle Noci N.: *Int Ophthalmol.* 2008 Feb;28(1):47-9. Epub 2007 Jun 15.

Distribution of amyloid precursor protein and amyloid-beta immunoreactivity in DBA/2J glaucomatous mouse retinas. Goldblum D, Kipfer-Kauer A, Sarra GM, Wolf S, Frueh BE.: *Invest Ophthalmol Vis Sci.* 2007 Nov;48(11):5085-90.

[Retinal abnormalities in adult acute myeloid leukemia: semeiological features and prognostic correlations. Analysis of 178 cases] Querques G, Russo V, Martinez A, Sarra GM, Iaculli C, Delle Noci N.: *J Fr Ophtalmol.* 2007 Oct;30(8):819-23.

Lentiviral-vector-mediated expression of murine IL-1 receptor antagonist or IL-10 reduces the severity of endotoxin-induced uveitis. Trittibach P, Barker SE, Broderick CA, Natkunarajah M, Duran Y, Robbie SJ, Bainbridge JW, Smith AJ, Sarra GM, Dick AD, Ali RR.: *Gene Ther.* 2008 Nov;15(22):1478-88. Epub 2008 Jun 26.

Abuse of vasoconstrictive eyedrops mimicking an ocular pemphigoid. Tappeiner C, Sarra GM, Abegg M.: *Eur J Ophthalmol.* 2009 Jan-Feb;19(1):129-32.

[Case report of osteo-odonto keratoprosthesis (Strampelli) and of Dacron keratoprosthesis (Pintucci)]. Chammartin M, Goldblum D, Früh B, Wilkens L, Bosshardt D, Sarra GM. *Klin Monbl Augenheilkd.* 2009 Mar;226(3):180-3. Epub 2009 Mar 17. German.

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Tappeiner C, Goldblum D, Katsoulis K, Sarra GM, Frueh BE. In vivo measurement of central corneal thickness in normal chicks (*Gallus gallus domesticus*) with the optical low-coherence reflectometer. *Vet Ophthalmol.* 2011 Jul;14(4):257-61. doi: 10.1111/j.1463-5224.2011.00875.x. Epub 2011 Apr 18.
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Loftus JV, Sultan MB, Pleil AM; Macugen 1013 Study Group. Changes in vision- and health-related quality of life in patients with diabetic macular edema treated with pegaptanib sodium or sham. *Invest Ophthalmol Vis Sci.* 2011 Sep 29;52(10):7498-505. doi: 10.1167/iovs.11-7613. PMID: 21896838

Wolf-Schnurrbusch UE, Hess R, Jordi F, Stuck AK, Sarra GM, Wolf Enzmann V. Detection of Chlamydia and complement factors in neovascular membranes of patients with age-related macular degeneration. *Ocul Immunol Inflamm.* 2013;21(1):36-43. doi: 10.3109/09273948.2012.726393. PMID: 23590149S