



Dr. med. Matthias Brunner

Leitender Arzt

Facharzt für Ophthalmologie FMH/FEBO

Ausbildung und Werdegang

Seit 01/2019	Leitender Arzt für Augenoberflächenerkrankungen
10/2018	PgDiploma Cataract and Refractive Surgery (Theory)
2017-2018	Postgraduate Course in Cataract and Refractive Eye Surgery, Ulster University, Coleraine, UK
2017	Oberarzt, Vista Diagnostics AG, Pfäffikon SZ und Zürich
2016-2017	Ocular Surface Disease Therapeutics and Neoplasia Fellowship (Prof. Stephen B Kaye und Prof. Heinrich Heimann), St. Paul's Eye Unit, Royal Liverpool University Hospital, Liverpool, Grossbritannien (12 Monate)
2016	Facharzt für Ophthalmologie FMH
2015-2016	Clinical Research Fellowship, Department of Corneal and External Eye Disease (Prof. Stephen B Kaye) and Ocular Oncology Clinic (Prof. Heinrich Heimann), St. Paul's Eye Unit, Royal Liverpool University Hospital, Liverpool, Grossbritannien (12 Monate)
2014	Facharztprüfung FMH/EBO in Ophthalmologie
2013-2015	Assistenzarzt, ÓMMA Praxisgemeinschaft für Augenheilkunde, Prof. Dr. med. Wolfgang Bernauer, Zürich (30 Monate)
2013	International Council of Ophthalmology (ICO): Clinical Science Examination
2012	International Council of Ophthalmology (ICO): Optics and Refraction Examination, Basic Science Examination
2010-2012	Assistenzarzt Augenklinik Kantonsspital St. Gallen (27 Monate)
2009-2010	Assistenzarzt Innere Medizin, Spital Flawil, Kantonsspital St. Gallen (18 Monate)

2009	Praxisassistent in Allgemeinpraxis in Linthal, Kanton Glarus (3 Monate)
2009	Dissertation: Seroepidemiologische Prävalenzstudie zur humanen Toxoplasmose in Südkasachstan
2008	Staatsexamen, Diplomierung
2002-2008	Medizinstudium Universität Zürich

Vorträge, Scientific Posters & Fachzeitschriften

2018	Vortrag: Epitheliale Neoplasien der Augenoberfläche: Diagnose und klinisches Management; Sommerfortbildung der Vista Klinik, Bottmingen
2018	Vortrag Lichtimpuls-Therapie zur Behandlung der Meibomdrüsendiffunktion; Sommerdebatte Vista Diagnostics, Zürich
2018	Übersichtsartikel: Pigmentierte melanozytäre Veränderungen der Bindehaut: Differenzialdiagnose und Management. OPHTA; 01/2018
2016	Vortrag: Multimodal Imaging of Ocular Surface Neoplasia - Potential Use of Fluorescence Angiography for Diagnostic Purposes; Ophthalmic Imaging Association (OIA) Conference, Leeds
2016	Vorträge im Rahmen der multidisziplinären Weiterbildung an der St. Pauls Eye Unit, Liverpool: ICE syndrome; Keratoconus: Background, Causes, Pathology; Ocular Surface Neoplasia: Clinical and Histopathological Features; Vernal and Atopic Keratoconjunctivitis; Clinical Guidelines for Management of Dry Eyes in Sjögren's Disease
2014	Fallpräsentation: Transienter Astigmatismus bei Skleritis; Ophthalmology Update, Flims
2013	Poster und Studienpräsentation: Progression in Mucous Membrane Pemphigoid; SOG Kongress, Locarno
2012	Poster: Ozurdex in the Treatment of Macular Edema; SOG Kongress, Biel
2011	Poster: Schwere Tamponade mit Densiron® 68 bei komplizierten Netzhautablösungen; SOG Kongress, Interlaken

Publikationen

2019	Brunner M, Somerville T, Corless CE, Myneni J, Rajhbeharrysingh T, Tiew S, Neal T, Kaye SB. Use of a corneal impression membrane and PCR for the detection of herpes simplex virus type-1. J Med Microbiol. 2019 Jul 29. [Epub ahead of print].
2018	Palme C, Romano V, Brunner M, Vinciguerra R, Kaye SB, Steger B. Functional Staging of Corneal Neovascularization Using Fluorescein and Indocyanine Green Angiography. Transl Vis Sci Technol. 2018 Oct 1;7(5):15. eCollection 2018 Sep.

- 2018 Brunner M, Czanner G, Vinciguerra R, Romano V, Ahmad S, Batterbury M, Britten C, Willoughby CE, Kaye SB. Improving precision for detecting change in the shape of the cornea in patients with keratoconus. *Sci Rep.* 2018;8(1):12345.
- 2018 Brunner M, Romano V, Steger B, Vinciguerra V, Lawman S, Williams B, Hicks N, Czanner G, Zheng Y, Willoughby CE, Kaye SB. Imaging of Corneal Neovascularization: Optical Coherence Tomography Angiography and Fluorescence Angiography. *Invest Ophthalmol Vis Sci.* 2018;59:1263–1269.
- 2017 Romano V, Steger B, Brunner M, Kaye A, Zheng Y, Willoughby CE, Kaye SB. Detecting Change in Conjunctival Hyperemia Using a Pixel Densitometry Index. *Ocul Immunol Inflamm.* 2017;2:1-6 [Epub ahead of print]
- 2017 Vinciguerra R, Romano V, Arbabi EM, Brunner M, Willoughby CE, Bat-terbury M, Kaye SB. In Vivo Early Corneal Biomechanical Changes After Corneal Cross-linking in Patients With Progressive Keratoconus. *J Re-fract Surg.* 2017;1;33(12):840-846.
- 2017 Brunner M, Steger B, Romano V, Hodson M, Zheng Y, Heimann H, Kaye SB. Identification of Feeder Vessels in Ocular Surface Neoplasia Using Indocyanine Green Angiography. *Curr Eye Res.* 2018;43(2):163-169.
- 2016 Spiteri N, Romano V, Brunner M, Steger B, Kaye SB. The Management of Corneal Neovascularisation - Update on New Clinical Data and Recommendations of Treatment. *European Ophthalmic Review* 2016;10(2):86-93
- 2016 Romano V, Steger, B, Brunner M, Ahmad S, Willoughby C, Kaye SB. Method for angiographically guided fine needle diathermy in the treatment of corneal neovascularization. *Cornea* 2016;35(7):1029-32
- 2016 Romano V, Steger B, Brunner M, Kaye SB. Ultrathin Grafts for DSAEK With a Single Microkeratome Pass. *Cornea* 2016;35(4):e9
- 2015 Schuler S, Brunner M, Bernauer W. Rituximab and acute retinal necrosis in a patient with scleromacia and rheumatoid arthritis. *Ocular immunology and inflammation* 2015;11:1-3.
- 2014 Brunner M, Lacoste KJ, Bernauer W. Control of ocular disease in mucous membrane pemphigoid. *Klin Monbl Augenheilkd.* 2014;231(4):331-334.
- 2014 Bernauer W, Pleisch B, Brunner M. Five-years-outcome in immune-mediated scleritis. *Graefes Arch Clin Exp Ophthalmol* 2014;252(9):1477-1481.
- 2013 Brunner M, Haueter I, Valmaggia C. Dexamethason implant in the treatment of macular edema in retinal vein occlusion and intraocular inflammatory disease
Klin Monbl Augenheilkd. 2013 Apr;230(4):396-400.
- 2012 Brunner M, Lang C, Valmaggia C. Heavy tamponade in complicated inferior retinal detachment.
Klin Monbl Augenheilkd. 2012 Apr;229(4):407-410.

2009 Torgerson PR, Rosenheim K, Tanner I, Ziadinov I, Grimm F, Brunner M, Shaiken S, Shaikenov B, Rysmukhambetova A, Deplazes P. Echino-coccosis, toxocarosis and toxoplasmosis screening in a rural community in eastern Kazakhstan. Trop Med Int Health. 2009 Mar;14(3):341-348.

Buchbeiträge

2013 In: Thiel MA, Bernauer W, Zürcher M, Schmid MK (Hrsg). Fallbeispiele Augenheilkunde. Springer-Verlag Berlin Heidelberg 2013:
Brunner M, von Hochstetter AR, Lacoste JK, Bernauer W. Granulomatöse Konjunktivitis (pp19-22).
Brunner M, Kaufmann C, von Hochstetter AR, Bernauer W. Trübe Hornhaut nach Pterygium-Operation (pp 27-30).
Bernauer W, Brunner M. Knirschgeräusche im Auge (pp 137-139).

Laufende wissenschaftliche Projekte (Seit Juli 2015)

- An in vivo analysis of ocular surface lesions: Correlation of optical coherence tomography, in vivo confocal microscopy and angiography with histological diagnosis (NHS/HRA Approval)
- Multimodal imaging of ocular surface vasculature (NHS/HRA Approval)
- Corneal impression membrane for the diagnosis of herpes simplex virus keratitis (NHS/HRA Approval)

Mitgliedschaften

2014 Schweizerische Ophthalmologische Gesellschaft SOG
2014 FMH Verbindung der Schweizer Ärztinnen und Ärzte