SWISS MEDICAL NETWORK



Dr. med. Arthur Hammer

MD-PhD, FEBO, FEBOS-CR, CertLRS, PGDip-CRS, FWCRS

Specialist FMH in ophthalmology and ophthalmosurgery

Languages

EN,FR

Work Experience

since 2023	Registered doctor, Clinique de Montchoisi and Swiss Visio Beau-Rivage, Lausanne, Switzerland
since 2023	Private practice under individual responsibility, Montbenon Ophthalmology Practice, Lausanne, Switzerland
since 2021	Private practice under individual responsibility, Dr Tabibian Ophthalmology Practice, Geneva, Switzerland
2023–2024	Hospital Practitioner, Jules Gonin Ophthalmic Hospital, Cornea and Refractive Surgery Unit, Department of Ophthalmology, CHUV, Lausanne, Switzerland
2023–2024	Bank Consultant Ophthalmologist, Moorfields Eye Hospital NHS Foundation Trust, Cornea, External Diseases and Refractive Surgery Department, London, United Kingdom
2021–2023	Cornea, External Diseases and Refractive Surgery Fellow, Moorfields eye hospital NHS Foundation Trust, Department of Cornea, External Diseases and Refractive Surgery, London, United Kingdom
2020–2021	Cataract Fellow, Moorfields eye hospital NHS Foundation Trust, Cataract Service, London, United Kingdom
2018–2020	Speciality Trainee (ST4-5), North West Anglia NHS Foundation Trust, Peterborough City Hospital - Department of Ophthalmology, Peterborough, United Kingdom
2015–2018	Speciality trainee (ST1-3), Jules Gonin Ophthalmic Hospital, CHUV Department of Ophthalmology, Lausanne, Switzerland

Education

2024	FEBOS-CR / EBO-ESCRS subspecialty specialist diploma in cataract and refractive surgery
2023	Certificate in Laser and Refractive Surgery (CertLRS), Royal College of Ophthalmologists, London, United Kingdom
2023	Postgraduate Diploma in Cataract and Refractive Surgery (PGDip CRS), obtained with distinction, Ulster University, Northern Ireland
2022	Swiss Federal Postgraduate Diploma (FMH) in advanced training in ophthalmic surgery
2020	Swiss Federal Postgraduate Diploma (FMH) in Specialist Ophthalmology
2015	MD-PhD in cornea and refractive surgery (Cross-linking of the cornea: limitations, molecules involved and effect on corneal oedema)

2012 Swiss Federal Diploma in Medicine

Competences

• Cataract surgery
• Yag laser surgery for secondary cataract (laser capsulotomy)
• YAG laser surgery for peripheral iridotomy
• Excimer/femtosecond laser surgery for myopia, hyperopia, astigmatism and presbyopia (SMILE, LASIK, PRK, LBV-Presbyond)
• Intraocular surgery for myopia, hyperopia, astigmatism and presbyopia (Lentille de contact implantable ICL/IPCL, clear lens extraction)
• Secondary intraocular lens implantation surgery (Sulcoflex, ICL, Artisan)
• Intraocular lens exchange surgery (intolerance to multifocal intraocular lenses, opacified or unstable intraocular lens)
• Therapeutic refractive surgery to rehabilitate the ocular surface (PTK, TransPTK, TransPRK/CXL, TransPTK/CXL, superficial keratectomy)
• Surgery for keratoconus and corneal ectasia (Cross-linking of corneal collagen-CXL, Intracorneal rings, TransPRK/CXL, TransPTK/CXL)
• Corneal transplants (DMEK, DSAEK, PKP, DALK)
• Limbal stem cell transplants (auto-SLET, allo-SLET)
• Cauterisation of corneal neovessels
• Removal of corneal calcifications
• Excisional surgery of the pterygium and pinguecula
• Excisional surgery of conjunctivochalasis
• Excision of conjunctival lesions
• Excision of eyelid lesions (Chalazion, minor tumours, etc)
• Intravitreal injections

Memberships

• Fédération des Médecins Helvétiques (FMH)
• Société Vaudoise de Médecine (SVM)
• Association des Médecins du Canton de Genève (AMGe)
• Société Médicale du Valais (SVMS)
• General Medical Council of United Kingdom (GMC)
• Fellow of the European Board of Ophthalmology (FEBO)
• European Society of Cataract and Refractive Surgery (ESCRS)
• ESCRS' Young Ophthalmologists For Sustainability (YOFS)
• FEBOS-CR Alumni Member
• Fellow of the World College of Refractive Surgery and Visual Sciences (WCRSVS)
• Swiss Society of Ophtalmology (SSO)

Awards

2019 **ESCRS, prize for the best poster** in the "Refractive Surgery: Can Results Improve Even Further? session (presented by Dr Emilio Torres-Netto)

2014 **ASCRS, Best Paper of the Session Award** « CORNEA - Rings and Crosslinking », Corneal Collagen Cross Linking Oxygen Dependency

2013 **SSO/SOG Prize for the best experimental research poster** (CHF 1000) - CXL Oxygen Dependency

2013 **Swiss National Science Foundation (SNSF) and Swiss Academy of Medical Sciences (SAMS) -** Scholarship for the MD-PhD Programme (CHF 180,000)

2013 **ASCRS, prize of "Poster of Interest in Cornea"** - Corneal Biomechanical Properties at Different Fluency's (represented by Dr. Olivier Richoz)

Publications

• **Hammer A,** Heeren TFC, Angunawela R, Marshall J, Saha K. **A Novel Role for Corneal Pachymetry in Planning Cataract Surgery by Determining Changes in Spherical Equivalent Resulting from a Previous LASIK Treatment.** J Ophthalmol. 2023 May 31;2023
• **Hammer A,** Borruat FX**. Case Report: Multimodal Imaging of Toxic Retinopathies Related to Human Immunodeficiency Virus Antiretroviral Therapies: Maculopathy vs. Peripheral Retinopathy. Report of Two Cases and Review of the Literature.** Front Neurol. 2021 Jun 17;12:663297.
• Lopez Baumann S, Rossi DC, **Hammer A, Chave JP, Guex-Crosier Y. Superficial and Deep Macular Vessel Occlusion in West Nile Virus.** Klin Monbl Augenheilkd. 2019 Apr;236(4):590-593.
• Kling S**, Hammer A,** Netto EAT, Hafezi F. **Differential Gene Transcription of Extracellular Matrix Components in Response to In Vivo Corneal Crosslinking (CXL) in Rabbit Corneas.** Transl Vis Sci Technol. 2017 Dec 12;6(6):8.
• Kling S**, Hammer A,** Conti A, Hafezi F. **Corneal Cross-Linking with Riboflavin and UV-A in the Mouse Cornea in Vivo: Morphological, Biochemical, and Physiological Analysis.** Transl Vis Sci Technol. 2017 Jan 30;6(1):7.
• Tabibian D, Kling S, **Hammer A,** Richoz O, Hafezi F**. Repeated Cross-linking After a Short Time Does Not Provide Any Additional Biomechanical Stiffness in the Mouse Cornea In Vivo.** J Refract Surg. 2017 Jan 1;33(1):56-60.
• **Hammer A,** Rudaz S, Guinchard S, Kilng S, Richoz O, Hafezi F. **Analysis of riboflavin compounds in the rabbit cornea in vivo.** Curr Eye Res. 2016 Sep;41(9):1166-72.
• Kling S, Richoz O, **Hammer A,** Tabibian D, Jacob S, Agarwal A, Hafezi F. **Increased Biomechanical Efficacy of Corneal Cross-linking in Thin Corneas Due to Higher Oxygen Availability.** J Refract Surg. 2015 Dec;31(12):840-6.
• **Hammer A,** Kling S, Marc-Olivier Boldi, Olivier Richoz, David Tabibian, J. Bradley Randleman, Farhad Hafezi. **Establishing Corneal Cross-Linking with riboflavin and UV-A in the mouse cornea in vivo: biomechanical analysis.** Invest Ophthalmol Vis Sci. 2015 Oct;56(11):6581-90.
• Richoz O, Kling S, Hoogewoud F, **Hammer A,** Tabibian D, François P, Schrenzel J, Hafezi F. **Antibacterial efficacy of accelerated photoactivated chromophore for keratitis-corneal collagen cross-linking (PACK-CXL).** J Refract Surg. 2014 Dec;30(12):850-4
• Richoz O, Mosquera S, Kling S, **Hammer A**, Magnago T, Bosch M, Hafezi F. **Determination of the excimer laser ablation rate in previously cross-linked corneas**. J Refract Surg. 2014 Sep;30(9):628-32.
• Richoz O, Kling S, Zandi S, **Hammer A,** Spoerl E, Hafezi F. **A constant force technique to measure corneal biomechanical changes after collagen cross-linking.** PLoS One. 2014 Aug 27;9(8)
• Richoz O, Tabibian D, **Hammer A,** Majo F, Nicolas M, Hafezi F. **The effect of standard and high-fluence corneal cross-linking (CXL) on cornea and limbus.** Invest Ophthalmol Vis Sci. 2014 Jul 22;55(9):5783-7.
• **Hammer A**, Tabibian D, Richoz O, Hafezi F. **Keratoconus treatment by corneal cross-linking (CXL).** Rev Med Suisse 2014 Juin; 10: 1263-1265
• **Hammer A**, Mosquera S, Magnano T, Richoz O, Tabibbian T, Hoogewoud F, Hafezi F. **Corneal Biomechanical Properties at Different Corneal Cross-Linking (CXL) Irradiances.** Invest Ophthalmol Vis Sci. 2014 May 2; 55(5): 2881-4
• Richoz O, **Hammer A**, Hafezi F. **The Biomechanical Effect of Corneal Collagen Cross-Linking (CXL) With Riboflavin and UV-A is Oxygen Dependent**. Transl Vis Sci Technol. 2013 Nov; 2(7): 6

Media

Presse :
• February 2024 - Blick.ch : "Un médecin nous explique tout sur la sécheresse oculaire"

Accreditation

Swiss Visio

Swiss Visio Beau-Rivage

Swiss Visio Lausanne-Gare

Swiss Visio Montchoisi

Clinique de Montchoisi

Swiss Visio Valère

Clinique Générale-Beaulieu

Specialties

Ophthalmology

Eye surgery

Corneal transplantation

Cataracts

FEMTO-LASIK procedure

PRK technique

Near-sightedness (myopia)

Age-related far-sightedness (presbyopia)

Far-sightedness (hyperopia)

Corneal irregularity (astigmatism)

Dry eye

Eye inflammation

Corneal diseases

ICL technique

SMILE procedure

Contact

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