SWISS MEDICAL NETWORK



# Dr. med. Arthur Hammer

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

Spécialiste FMH en ophtalmologie et ophtalmochirurgie

## Lingue

EN,FR

## Esperienze professionali

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|---|---|
| dal 2023 | Registered doctor, Clinique de Montchoisi and Swiss Visio Beau-Rivage, Lausanne, Switzerland |
| dal 2023 | Private practice under individual responsibility, Montbenon Ophthalmology Practice, Lausanne, Switzerland |
| dal 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 |

## Formazione

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| 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

## Competenze

• 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

## Appartenenze

• 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)

## Premi

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)

## Pubblicazioni

• **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"

## Accreditamento

Swiss Visio

Swiss Visio Beau-Rivage

Swiss Visio Lausanne-Gare

Swiss Visio Montchoisi

Clinique de Montchoisi

Swiss Visio Valère

Clinique Générale-Beaulieu

## Specialità

Oftalmologia (oculistica)

Chirurgia oculistica

Trapianto di cornea

Stella grigia (cataratta)

Procedura Femto-LASIK

Tecnica PRK

Ipometropia (miopia)

Presbiopia

Ipermetropia (iperopia)

Curvatura della cornea (astigmatismo)

Secchezza degli occhi

Infiammazioni degli occhi

Malattie della cornea

Tecnica ICL

Procedura SMILE

## Contatto

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