

ROBIN K. KURIAKOSE, M.D.

Ophthalmologist | Cornea, Cataract, and Refractive Surgeon

EDUCATION

Doctor of Medicine (M.D.) Virginia Commonwealth University School of Medicine, Richmond, Virginia	08/2014 – 05/2018
Bachelor of Science (B.S.) Biology, Guaranteed Admissions Program in Medicine Virginia Commonwealth University, Richmond, Virginia Summa Cum Laude, University Honors	08/2010 – 05/2014

POST-GRADUATE TRAINING

Fellowship, Cornea/External Disease/Refractive Surgery Northwestern Medicine, Chicago, IL, 60611	07/2022 – 07/2023
Residency, Ophthalmology Loma Linda University Eye Institute, Loma Linda, CA 92373	07/2019 – 06/2022
Internship, Preliminary Medicine Loma Linda University Health, Loma Linda, CA 92373	06/2018 – 06/2019

BOARD CERTIFICATIONS

American Board of Ophthalmology: October 2023 - Present

RESEARCH PUBLICATIONS

Robin K. Kuriakose, et al. "Change in Major Ocular Biometry Parameters Axial Length and Keratometry in Adults Over Time." *Journal of Cataract and Refractive Surgery* (2023): 10-1097.

Robin K. Kuriakose, Soungmin Cho, Saman Nassiri, Frank S Hwang. "Comparative Outcomes of Standard Perioperative Eye Drops, Intravitreal Triamcinolone Acetonide-Moxifloxacin, and Intracameral Dexamethasone-Moxifloxacin-Ketorolac in Cataract Surgery." *Journal of Ophthalmology*. (2022).

Robin K. Kuriakose, Almeida, D.R.P., Chin, E. "Prominent Subfoveal Choroidal Vessel Potentially Masquerading as a Nematode." *JAMA Ophthalmology*. (2021).

Chang, Matthew, **Robin K. Kuriakose**, Xu, K., Almeida, D.R.P., Chin, E. "Chronic Unilateral Uveitis with Macular Edema Secondary to Dabrafenib for Pilocytic Astrocytoma." *Case Reports in Ophthalmology*. (2021): 574-577.

Robin K. Kuriakose, Eric Chin, David R.P. Almeida. "An Atypical Presentation of Acute Macular Neuroretinopathy After Non-Ocular Trauma." *Case Reports in Ophthalmology*. (2019): 1-4.

Braich, PS, **Robin K. Kuriakose**, NS Khokar, JC Donaldson, TJ McCulley. "Factors Associated with Multiple Recurrences of Nonspecific Orbital Inflammation aka Orbital Pseudotumor." *International Ophthalmology*. (2018): 1485-1495.

Robin K. Kuriakose and Braich, Puneet S. "Dyslipidemia and its Association with Meibomian Gland Dysfunction: A Systematic Review." *International Ophthalmology*. (2018): 1809-1816.

Robin K. Kuriakose and Christopher T. Leffler. "The New Definition of Epiphora Should be Rejected." *Historia Ophthalmologica Internationalis*. (2017). Vol. 2: 109-113.

Robin K. Kuriakose, Kunyong Xu, Eric Chin, David R.P. Almeida. "Proliferative Vitreoretinopathy (PVR) Update: Current Surgical Techniques and Emerging Medical Management." *Journal of Vitreoretinal Disease* (2017): 1-9.

Khan, Zainab, **Robin K. Kuriakose**, Maryam Khan, Eric Chin, David Almeida. "Efficacy of Intravitreal Sustained-release dexamethasone implant (Ozurdex ®) for diabetic macular edema refractory to anti-vascular endothelial growth factor therapy: meta-analysis and clinical implications." *Ophthalmic Surgery, Lasers & Imaging Retina* (2017): 160-166.

Robin K. Kuriakose, Zainab Khan, David R.P. Almeida, Puneet Braich. "Depression and Burden Among the Caregivers of Visually Impaired Patients: A Systematic Review." *International Ophthalmology* (2017): 767-777

Robin K. Kuriakose, Lorna Grant, Eric Chin, David R. Almeida. "Deer Tick Masquerading as Pigmented Conjunctival Lesion." *American Journal of Ophthalmology Case Reports* (2016).

Robin K. Kuriakose, Rakesh Kukreja, Lei Xi. "Potential Therapeutic Strategies for Hypertension-Exacerbated Cardiotoxicity of Anticancer Drugs." *Oxidative Medicine and Cellular Longevity* (2016).

Braich, PS and **Robin K. Kuriakose**. "How to Triage the Red Eye: Consideration for Non-ophthalmic Providers." *Journal of Pain and Relief* (2016): 1-4

Robin K. Kuriakose, Melvani, R. Gangadharan V., Michael Cowley. "Right Atrial Metastatic Melanoma with Unknown Primaries." *Case Reports in Cardiology* (2015): 1-3.

*Gill, Rabia, ***Robin K Kuriakose**, Zachary M. Gertz, Fadi N. Salloum, Lei Xi, and Rakesh C. Kukreja. "Remote ischemic preconditioning for myocardial protection: update on mechanisms and clinical relevance." *Molecular and Cellular Biochemistry* (2015): 1-9. *Co-primary authors.

ABSTRACTS & PRESENTATIONS

Zhang, K., Kyle S. Chan, Robert S. Feder, **Robin K Kuriakose**. Diagnostic Yield of Corneal Cultures in Microbial Keratitis: A Single-Center Retrospective Study. Presented at ASCRS Annual Meeting. April 2024.

Robin K Kuriakose and Surendra Basti. Intrasclear Fixation of In-the-Bag Subluxated Intraocular Lenses: Pearls and Pitfalls [Video]. Presented at American Academy of Ophthalmology (AAO) November 2023. **Awarded Best of Show.**

Alanna James, **Robin K Kuriakose**, Moises Enghelberg. Mobile Phone Application for Diagnosis and Workup of Uveitides Positively Correlates With Expert Consultation. Presented at American Society of Retinal Specialists (ASRS) July 2022.

Kuriakose, R.K., Cho, S., Nassiri, S., Hwang, F.S. Comparative Outcomes of Intravitreal Triamcinolone Acetonide-Moxifloxacin with Intracameral Dexamethasone-Moxifloxacin-Ketorolac in Cataract Surgery. Presented at Association for Research in Vision and Ophthalmology (ARVO) 2021.

Modlin, L. A., **Kuriakose, R. K.**, Francis, J. H., Abramson, D. H., Shoustari, A. N., & Barker, C. A. Outcomes of Uveal Melanoma with Distant Metastasis at Initial Staging: Impact of Primary Tumor Therapy. [abstract] *International Journal of Radiation Oncology*. American Society for Radiation Oncology (ASTRO). November 1, 2018, *102*(3), e306.

Christopher A. Barker, Jasmine H. Francis, **Robin K. Kuriakose**, Ming Lian, Brian P. Marr, David H. Abramson. Immunologic analyses of uveal melanoma patients treated with radiation therapy. [abstract]. In: Proceedings of the 107th Annual Meeting of the American Association for Cancer Research; 2016 Apr 16-20; New Orleans, LA. Philadelphia (PA): AACR; Cancer Res 2016;76(14 Suppl): Abstract nr 4991.

Kuriakose, Robin K, Rakesh Kukreja, Lei Xi. "Hypertension Comorbidity Exacerbates Cardiotoxicity of Anti-Cancer Drugs: Evidences and Promising Novel Therapeutic Strategies." VCU Medical Student Research Fellowship Poster Session, 5 May 2016, Richmond, VA.

RESEARCH EXPERIENCE

RESEARCH ASSISTANT

Memorial Sloan Kettering Cancer Center, New York, NY 05/2015 – 06/2018

Mentor: Christopher Barker, M.D. | Radiation Oncology

- Conducted clinical research on metastatic uveal melanoma patients to assess outcomes through primary local therapy

RESEARCH ASSISTANT

Virginia Commonwealth University, Richmond, VA 04/2014 – 12/2014

Mentor: Rakesh Kukreja, Ph.D. | Cardiology

- Studied mice models and summarized new advances in understanding the molecular mechanisms of Remote Ischemic Preconditioning

RESEARCH ASSISTANT

Virginia Commonwealth University, Richmond, VA 12/2011 – 12/2012

Mentor: Peter Uetz, Ph.D.

- Studied protein-protein interactions in *Mycobacterium phage Giles*

RESEARCH ASSISTANT

Columbia University, Institute for Cancer Genetics, New York, NY 05/2011 – 08/2011

Mentor: Benjamin Tycko, M.D., Ph.D.

- Presented a review on DNA methylation and tumor suppressor genes in Acute Myeloid Leukemia
- Learned laboratory techniques including plasmid purification and cloning

BOOK PUBLICATIONS

Title: The Complete Guide to Direct BS/MD Programs: Understanding and Preparing for Combined Medical Degree Programs (Tenth Anniversary Edition - 2023)

Author: Robin K. Kuriakose, MD

Title: Ophthalmology Clinical Vignettes. Oral Exam Study Guide. (Third Edition – 2021) by Dr. John Pemberton.

Junior Editor: Robin K. Kuriakose, MD

ONLINE PUBLICATIONS

Exploring Surgical Approaches for Pterygium. Published in EyesOnEyeCare. Sept 2025.

The Hills and Valley of Uveitic Glaucoma. Published in EyesOnEyeCare. Aug 2025.

Senolytic Therapy for the Treatment of Diabetic Retinopathy. Published in EyesOnEyeCare. Aug 2025.

A New Frontier: Descemet’s Stripping Only/Without Endothelial Keratoplasty. Published in EyesOnEyeCare. Aug 2023.

The Ophthalmology Resident’s Guide to Dropless Cataract Surgery. Published in EyesOnEyeCare. June 2023.

Apps Improve Eyecare by Addressing Digital Eye Strain & Uveitis Diagnosis. Published in EyesOnEyeCare. Oct 2022.

Scleral Collagen Cross-linking to Stop Myopia Progression. Published in EyesOnEyeCare. Aug 2022.

Shedding Light on Positive and Negative Dysphotopsia. Published in EyesOnEyeCare. June 2022.

Diagnosing and Managing Granular Corneal Dystrophy. Published in EyesOnEyeCare. Mar 2022.

Punctal Plugs. Published on EyeWiki. August 2021.

A Resident’s Guide to Diabetic Retinopathy Surgical Treatment Options. Published in EyesOnEyeCare. Mar 2021.

Apremilast for Uveitis Associated with Behçet’s Disease. Published in EyesOnEyeCare. Oct 9 2020.

Intrastromal Corneal Ring Segment Extrusion Management. Published on EyeWiki. September 2020.

Cataract Incision Construction. Published on EyeWiki. September 2020.

The Adventure of the Upstate Traveler. Published in New Retina MD. *Cover Focus.* July 2017.

HONORS & AWARDS

Fellow of the Year, Northwestern Medicine.	07/2023
2021 Loma Linda Eye Institute Resident Research Day – 2 nd Place Award	05/2021
Knights Templar Eye Foundation Travel Grant for ARVO 2021	05/2021
Mid-Year Forum Ambassador, Shulman Fellow	04/2021
2020 EyeWiki U.S. Residents and Fellow Contest Winner	01/2021
Gold Humanism Honor Society Inductee	05/2017
VCU School of Medicine Summer Research Fellowship	06/2015

LEADERSHIP ACTIVITIES

CHIEF WELLNESS REPRESENTATIVE 07/2020 – 07/2021

Loma Linda University, Eye Institute

- Selected by peers to promote and plan resident wellness activities
- Advocate for solutions for resident wellness through inter-departmental events

PRELIMINARY YEAR MEDICINE REPRESENTATIVE 07/2018 – 07/2019

Loma Linda University, Department of Medicine

- Selected by peers to represent class in monthly Program Evaluation Committee meetings
- Present and advocate for solutions in various aspects related to preliminary intern year

ADMISSIONS COMMITTEE MEMBER/TOUR GUIDE 08/2014 – 07/2018

VCU School of Medicine

- Critically review and interview prospective medical students
- Represent the VCU School of Medicine in a tour of the medical campus and school

FOUNDER, DIRECTOR AND CONTRIBUTING EDITOR 10/2015 – Present

WhiteCoated.com

- Created a platform for medical students and residents to foster humanism in medicine by allowing them to share unique stories and observations
- Implement strategies to grow the website readership and social media following

WEBMASTER VCU School of Medicine	08/2014 – 06/2018
<ul style="list-style-type: none"> Created and managed the Class of 2018 website 	
PRESIDENT Internal Medicine Interest Group/ClubMed – School of Medicine	11/2014 – 01/2016
<ul style="list-style-type: none"> Preside and convene general body and board meetings Lead and plan events in order to meet organizational vision and goals 	
FOUNDER AND PRESIDENT American Red Cross Student Chapter at VCU	10/2011 – 9/2013
<ul style="list-style-type: none"> Established the presence of the organization on campus with membership exceeding 400 students Preside and convene general body and executive board meetings Lead and plan events, such as iNight where over \$5000 was raised, in order to meet organizational goals Awarded Best Service Student Organization for two consecutive years during leadership 	

TECHNOLOGY

SightKick: Created a MacOS software designed to reduce digital eye strain by detecting low blink rates in users. (<https://sightkick.ai>). Released in Apple Mac Store.

UveitisOnCall: Developed a mobile application to allow eye care professionals to efficiently, effectively and cost-consciously diagnose uveitic conditions. Released in Apple Mac Store.

RetinaVideos.com: Created an online media platform presenting an array of surgical cases for ophthalmologists

PillTalk (iPhone/Android): Helped design and create the first patient counseling mobile application for healthcare professionals. *Acquired in August 2016.*

COMMUNITY SERVICE

<i>Volunteer Surgeon</i> , Laxmi Eye Institute, Maharashtra, India	6/2022
<i>Volunteer</i> , Community Health Clinic (Ophthalmology), Chicago, IL	10/2022 – present
<i>Volunteer</i> , Jacob's Chance, Richmond, VA	01/2015 – 6/2018
<i>Volunteer</i> , Center for High Blood Pressure, Richmond, VA	12/2012 – 03/2016

EMPLOYMENT HISTORY

OPHTHALMOLOGIST CATARACT, CORNEA, REFRACTIVE SURGERY OPTIMA EYE MEDICAL ASSOCIATES, HAYWARD, CA	09/2023 – Present
CONSULTING OPHTHALMOLOGIST EDEN MEDICAL CENTER, CASTRO VALLEY CA	09/2023 – Present
FOUNDER, DIRECTOR, COACH AT DIRECTBSMD.COM	01/2011 – 09/2023
<ul style="list-style-type: none"> Provide education for students interested in combined degree medical programs Offer coaching services for prospective students Acquired by MedSchoolCoach September 2023 	
INTERN, CONSULTANT Orphidia , San Francisco, CA	08/2016 – 01/2020
<ul style="list-style-type: none"> Biotechnology startup developing point-of-care blood testing Guided on clinical uses for technology, and provided consulting for online branding and website design 	
MEDICAL AFFAIRS INTERN Luitpold Pharmaceuticals, Shirley, NY	05/2013 – 08/2013
<ul style="list-style-type: none"> Created medical slide decks for physicians, Medical Affairs and Sales Team Drafted a letter to FDA for orphan drug approval 	

MEMBERSHIP AND HONORARY/PROFESSIONAL SOCIETIES

American Academy of Ophthalmology	07/2019 – Present
American Society of Cataract and Refractive Surgery (ASCRS)	09/2023 – Present
Gold Humanism Honor Society	05/2017 – Present
American Medical Association	08/2014 – 2019
American College of Physicians	08/2014 – 2019

ADDITIONAL SKILLS/CERTIFICATIONS

Illinois State Medical License	07/2022 – 07/2023
California State Medical License	07/2018 – present
DEA Certification	07/2022 – present
Femtosecond Certifications: IntraLase FS (iFS), Alcon FS200, Catalys, LensX	
Excimer Certifications: Alcon EX500, AMO Visx Star S4	
Basic Life Support (BLS) Certified	
Languages: English (native); Malayalam (fluent); Spanish (conversational)	