

# ROBIN K. KURIAKOSE, M.D.

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## 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

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## 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

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## BOARD CERTIFICATIONS

American Board of Ophthalmology: October 2023 - Present

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## 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* (2022): 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.

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## ABSTRACTS & PRESENTATIONS

**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 and 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.

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## 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*
- Aided in various research projects and learned basic laboratory techniques

### 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 (Eighth Edition - 2021)

**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

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## ONLINE PUBLICATIONS

**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.

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## HONORS & AWARDS

2021 Loma Linda Eye Institute Resident Research Day – 2 <sup>nd</sup> 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

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## 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 08/2014 – 06/2018

### VCU School of Medicine

- Created and managed the Class of 2018 website

PRESIDENT 11/2014 – 01/2016

### Internal Medicine Interest Group/ClubMed – School of Medicine

- Preside and convene general body and board meetings
- Lead and plan events in order to meet organizational vision and goals

**American Red Cross Student Chapter at VCU**

- 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**

*Resident Surgeon, Laxmi Eye Institute, Maharashtra, India*

6/2022

*Volunteer, Community Health Clinic (Ophthalmology), Chicago, IL*

10/2022 – present

*Volunteer, Jacob's Chance, Richmond, VA*

01/2015 – 6/2018

*Volunteer, Center for High Blood Pressure, Richmond, VA*

12/2012 – 03/2016

**EMPLOYMENT HISTORY**

OPHTHALMOLOGIST | CATARACT, CORNEA, REFRACTIVE SURGERY

09/2023 – Present

**OPTIMA EYE MEDICAL ASSOCIATES, HAYWARD, CA**

CONSULTING OPHTHALMOLOGIST

09/2023 – Present

**EDEN MEDICAL CENTER, CASTRO VALLEY CA**

FOUNDER, DIRECTOR, COACH AT **DIRECTBSMD.COM**

01/2011 – 09/2023

- Provide education for students interested in combined degree medical programs
- Offer coaching services for prospective students
- Acquired by MedSchoolCoach September 2023

INTERN, CONSULTANT

08/2016 – 01/2020

**Orphidia, San Francisco, CA**

- 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

05/2013 – 08/2013

**Luitpold Pharmaceuticals, Shirley, NY**

- 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)	