

# CURRICULUM VITAE

CARL WILKINS

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310 E 14<sup>TH</sup> STREET, RETINA CENTER, NEW YORK, NY 10003  
(C) 850.225.0549 CARL.WILKINS@MOUNTSINAI.ORG

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## EDUCATION

**FIU Herbert Wertheim College of Medicine, Miami, Florida** 8/2012-5/2016

Doctor of Medicine

**Vanderbilt University College of Arts and Sciences, Nashville, Tennessee** 8/2009-5/2012

B.A. Neuroscience

**Seminole State College of Florida, Lake Mary, Florida**

Biology and Psychology 8/2007-5/2009

## GRADUATE MEDICAL EDUCATION

**Fellowship, Ocular Immunology and Uveitis** 7/2022-6/2023

Wilmer Eye Institute/Johns Hopkins Hospital, Baltimore, MD

**Fellowship, Vitreoretinal Surgery** 7/2020-6/2022

New York Eye & Ear Infirmary of Mount Sinai, New York, NY

**Residency, Ophthalmology** 7/2017-6/2020

Icahn School of Medicine at Mount Sinai, New York, NY

**Internship, General Surgery** 7/2016-6/2017

Icahn School of Medicine at Mount Sinai, New York, New York

## EMPLOYMENT

Elmhurst Hospital Center, Faculty, Department of Ophthalmology 9/2022-Present

Icahn School of Medicine at Mount Sinai, Assistant Professor, Department of Ophthalmology,  
Vitreoretinal Surgery and Uveitis 8/2023-Present

## GRANTS, AWARDS, AND HONORS

New York Academy of Medicine Ophthalmology Residents' Night 5/2019

·2<sup>nd</sup> place, research poster section

Knights Templar Eye Foundation ARVO Travel Grant

4/2019

Manhattan Eye Foundation research grant

5/3/2018

·Primary author of grant awarded for \$5,000 to investigate the effect of intravitreal steroid depot in patients with diabetic macular edema recalcitrant to anti-VEGF therapy.

·PI: Dr. Avnish Deobhakta, New York Eye and Ear Infirmary of Mount Sinai

Medical school clinical honors:

4/2014-8/2015

•Honors-Surgery, Internal Medicine, Pediatrics, Psychiatry, and Ophthalmology (University of Michigan) clerkships

•Near Honors-Family medicine clerkship

FIU Herbert Wertheim College of Medicine Diefenthal Family Scholarship

5/2013

•Merit and need-based scholarship

Outstanding community service award (FIU HWCOM)

3/2013

Biological Sciences Scholarship (Seminole State College)

3/2009

Science Foundation Scholarship (Seminole State College)

3/2009

Phi Theta Kappa Honors Society

3/2008

### **LICENSURE EXAMINATIONS**

-USMLE Step 1: Pass, 258 (5/7/2015)

-USMLE Step 2 CK: Pass, 256 (7/2/2015)

-USMLE Step 2 CS: Pass (12/17/2015)

-USMLE Step 3: Pass, 236 (5/16/2017)

### **PROFESSIONAL MEMBERSHIPS**

American Board of Ophthalmology

10/2021-Current

American Academy of Ophthalmology

2015-Current

American Society of Retina Specialists

2019-Current

### **ABSTRACTS, PRESENTATIONS, AND PUBLICATIONS**

*Publications/manuscripts:*

• *Peer-reviewed:*

- 1) **Wilkins CS**, Esquenazi K, Hirabayashi K, Brown J, Bhuyan R, Kona N, Barash A, Ginsburg RB, Deobhakta A, Lema GM. Vitreoretinal Involvement in Patients With Fungemia at a Tertiary Care Hospital. *J Vitreoretin Dis*. 2025 Mar 14;24741264251321366.
- 2) Li G, Hwang J, **Wilkins C**, Klawe J, Ahmad S. Complications After Cataract Surgery in Patients With Versus Without Uveitis. *Ophthalmology*. 2025 Feb 19:S0161-6420(25)00133-2.
- 3) Jabs DA, Thorne JE, **Wilkins CS**, Habbu KA, Berkenstock MK, Burkholder BM, Chaon BC, Deobhakta A. TACROLIMUS FOR IMMUNOSUPPRESSION IN PATIENTS WITH NONINFECTIOUS INTERMEDIATE, POSTERIOR, OR PANUVEITIDES. *Retina*. 2023 Sep 1;43(9):1480-1486.
- 4) Sopeyin A, **Wilkins C**, Berkenstock M. A Man With Kaleidoscope Vision. *JAMA Ophthalmol*. 2023 Jul 1;141(7):691-692. doi: 10.1001/jamaophthalmol.2023.2063.
- 5) **Wilkins CS**, Chen M, Chandra G, Muldoon TO, Sidoti PA, Samson CM, Rosen RB. "Persistence of Memory" – Multimodal imaging of delayed sympathetic ophthalmia. . *American Journal of Ophthalmology Case Reports*. 2022, 101572, SSN 2451-9936
- 6) Schatz M, **Wilkins CS**, Otero-Marquez O, Chui YPT, Rosen RB, Gupta M. Multimodal imaging of Waldenstrom macroglobulinemia-associated hyperviscosity retinopathy treated with plasmapheresis. *Case Rep Ophthalmol Med*. 2021 Dec 15;2021:6816195
- 7) **Wilkins CS**, Sobol EK, Lema GM, Lee JG, Rosen RB, Deobhakta A. Intravitreal dexamethasone insert in diabetic macular edema super-refractory to anti-vascular endothelial growth factor therapy. *Eur J Ophthalmol*. 2021 Mar 23;11206721211004391.
- 8) **Wilkins CS**, Ashourian KT, Sobol EK, Saltzman B, Fink M, Teich S. Sarcoid-Associated Bilateral Multifocal Choroiditis Secondary to Adalimumab. *J Curr Ophthalmol*. 2021 Jul 5;33(2):205-208.
- 9) Sobol EK, Sakai Y, Wheelwright D, **Wilkins CS**, Norchi A, Fara MG, Kellner C, Chelnis J, Mocco J, Rosen RB, De Leacy RA, Lema GMC. Intra-Arterial Tissue Plasminogen Activator for Central Retinal Artery Occlusion. *Clin Ophthalmol*. 2021 Feb 16;15:601-608.
- 10) Ibad S, **Wilkins CS**, Pinhas A, Sun V, Wieder MS, Deobhakta A. Acute Vitreous and Intraretinal Hemorrhage with Multifocal Subretinal Fluid in Juvenile X-Linked Retinoschisis. *Case Rep Ophthalmol Med*. 2020;2020:6638553. Published 2020 Nov 24.
- 11) **Wilkins CS**, Andrade Romo JS, Chui TYP, Rosen RB, Llop S. OCT Angiography and En Face OCT Reflectance Aid in Monitoring Subclinical Inflammation in Serpiginous Choroidopathy. *Case Rep Ophthalmol Med*. 2020;2020:8897394. Published 2020 Jul 27.
- 12) **Wilkins CS**, Mehta N, Wu CY, Barash A, Deobhakta AA, Rosen RB. Outcomes of pars plana vitrectomy with subretinal tissue plasminogen activator injection and pneumatic displacement of fovea-involving submacular haemorrhage. *BMJ Open Ophthalmol*. 2020;5(1):e000394. Published 2020 Mar 16.

- 13) **Wilkins CS**, Goduni L, Dedania VS, Modi YS, Johnson B, Mehta N, Weng CY. Diagnostic and Therapeutic Challenge. *Retina*. 2021 Jul 1;41(7):1570-1576
- 14) **Wilkins CS**, McCabe K, Deobhakta A, Chelnis J. Central retinal artery occlusion secondary to Barlow's disease. *American Journal of Ophthalmology Case Reports*. 2018; 10:249-252.
- 15) **Wilkins CS**, Dedania VS, Ghodasra DH, Johnson MW. TENON CAPSULE-VITREOUS CAVITY FISTULA AFTER HYDROGEL SCLERAL BUCKLE REMOVAL. *Retin Cases Brief Rep*. 2020 Fall;14(4):360-363
- 16) Lee RHC, Couto e Silva A, Lerner FM, **Wilkins CS**, Valido SE, Klein DD, Wu CY, Neumann JT, Wright CB, Della Morte D, Koslow SH, Minagar A, Lin HW. Interruption of Perivascular Sympathetic Nerves of Cerebral Arteries Offers Neuroprotection Against Ischemia. *American Journal of Physiology-Heart and Circulatory Physiology*. 2017. January.

*Book chapters:*

- 1) **Wilkins CS**, Sobol EK, Ginsburg RB. Diagnosis and management of macular edema in the cataract surgery patient. *Advances in Ophthalmology and Optometry*. 2019. Elsevier Publishers. [awaiting print]
- 2) Lee RH, **Wilkins CS**, Do Couto e Silva A, Valido SE, Wu CY, Lin HW: Fatty acids in Vascular Health. In: Porto LF, ed. Palmitic Acid: Occurrence, biochemistry, and health effects. Nova Science Publishers inc., 2014.

*Abstracts/Presentations:*

- 1) **Wilkins CS**, Hsu J, Wieder MW, Li Y, Park M, Barash A, Rosen RB, Landa G, Deobhakta A, Lema GM. A Comparative Series of Exogenous Endophthalmitis Following Phacoemulsification Surgery versus Intravitreal Injection. July 2021. ASRS Annual Meeting. (New York, New York) (Poster Presentation)
- 2) **Wilkins CS**, Esquenazi K, Bhuyan R, Barash A, Ginsberg RB, Deobhakta A, Lema GM. Evaluation of Prevalence and Risk for Vitreoretinal Involvement in Fungemic Patients at a Tertiary Care Hospital. October 2021. ASRS Annual Meeting. (San Antonio, Texas) (Podium Presentation)
- 3) Pinhas A, Sun V, **Wilkins CS**, Wieder M, Labowsky M, Landa L, Muldoon TO, Rosen RB. Fixed-Volume Gas Fill Technique Following Pars Plana Vitrectomy in Retinal Re-Attachment Surgery. *Invest. Ophthalmol. Vis. Sci*. 2021;62(8):3098. (ARVO 2021 Annual Meeting, poster presentation)

- 4) Sobol EK, **Wilkins CS**, Norchi A, De Leacy RA, Rosen RB, Lema GM. The use of recombinant tissue plasminogen activator for acute retinal artery occlusion. July 2020. ASRS Annual Meeting. (Seattle, Washington) (Poster Presentation)
- 5) **Wilkins CS**, Sobol EK, Ibrahim K, Lema GM, Rosen RB, Deobhakta A. Intravitreal dexamethasone insert in chronic diabetic macular edema recalcitrant to anti-vascular endothelial growth factor therapy. May 2020. ARVO 2020 Annual Meeting. (Baltimore, Maryland) (Poster Presentation)
- 6) **Wilkins CS**, Mehta N, Wu C, Barash A, Lee JG, Deobhakta A, Rosen RB. Outcomes of pars plana vitrectomy with sub-retinal tPA injection and air-fluid displacement of fovea-involving submacular hemorrhage. July 2019. ASRS 2019 Annual Meeting. (Chicago, Illinois) (Poster Presentation)
- 7) **Wilkins CS**, Mehta N, Wu C, Barash A, Deobhakta A, Rosen RB. Sub-retinal tPA injection with pars plana vitrectomy and air-fluid displacement of dense submacular hemorrhage. April 2019. ARVO 2019 Annual Meeting. (Vancouver, British Columbia, Canada) (Poster Presentation)
- 8) Goduni L, Modi YS, Dedania VS, Johnson B, **Wilkins CS**. Bilateral sequential hemorrhagic retinal vasculitis in a 9-year-old boy. October 2018. AAO 2018 annual meeting: resident grand rounds. (Chicago, Illinois) (Podium Presentation)
- 9) Trattler WB, **Wilkins CS**, Rubinfeld RS. Epithelial-On CXL in eyes with Keratoconus, PMD, and Post-LASIK ectasia. Cornea Society and Eye Bank Association of America Fall Symposium, November 2015. (Las Vegas, Nevada) (Poster Presentation)
- 10) Trattler WB, Abou-Jaoude M, **Wilkins CS**, Perez G, Rubinfeld RS. Epithelial-on CXL in Thin Corneas. International Society of Refractive Surgery Annual Meeting, November 2015. (Las Vegas, Nevada) (Poster Presentation)
- 11) Lee RH, **Wilkins CS**, Do Couto E Silva A, Valido SE, Klein DD, Goyanes JJ, Chen JA, Lin HW. Characterization of Palmitic Acid Methyl Ester: a novel vasodilator. Brain 2015, International Symposium on Cerebral Blood Flow, Metabolism, and Function. (Vancouver, Canada) (Poster Presentation)
- 12) Lee RH, Do Couto E Silva A, Wu CY, **Wilkins CS**, and Lin HW. Attenuation of sympathetic activity reduces neuronal cell death and neurological deficits after cardiac arrest. Pharmacology & Physiology International Scientific Congress 2014. (Kuala Lumpur, Malaysia) (Poster Presentation)
- 13) Lee RH, Do Couto E Silva A, Wu CY, **Wilkins CS**, and Lin HW. Attenuation of sympathetic activity reduces neuronal cell death and neurological deficits after cardiac arrest. UM Postdoctoral Fellows Research Day, 2013 (Miami, FL) (Poster Presentation)

*Invited Presentations:*

- 1) Introduction to Ophthalmic Anesthesia. IJCAHPO ACE 2020 Virtual Program.

*Other Media:*

- 1) Guide to the Ophthalmology Match: FIU HWCOM (2016-present, primary author)
- 2) Mount Sinai Ophthalmology Guide (2018-present, primary author)

**ACADEMIC ACTIVITIES**

**Quality Improvement Projects**

- a. Created and instituted system-wide, evidence-based ophthalmic screening protocol for fungemic patients diagnosed with COVID-19 within Mount Sinai Health System
- b. Eye care protocol for Mount Sinai Health System intensive care units: Identified need for evidenced-based eye care protocol within Mount Sinai ICUs, initiated and co-authored (2017-current).