

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

(Signature) Fasika Woreta 2/14/2024
(Typed Name) Fasika Woreta (Date of this version)

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University
 2022-present Eugene de Juan, MD, Professor of Ophthalmic Education
 2021-present Associate Professor of Ophthalmology
 Wilmer Eye Institute, Johns Hopkins University School of Medicine
 2017-present Director, Eye Trauma Center
 Wilmer Eye Institute, Johns Hopkins University School of Medicine
 2017-present Director, Advanced Anterior Segment Fellowship
 Wilmer Eye Institute, Johns Hopkins University School of Medicine
 2019-present Joint Appointment, Department of Epidemiology
 Johns Hopkins Bloomberg School of Public Health
 2019-present Residency Program Director
 Wilmer Eye Institute, Johns Hopkins University School of Medicine

Hospital
 2013-present Active staff, Full-time, Johns Hopkins Hospital
 2018-present Active Staff, Howard County General Hospital
 2019-present Courtesy Staff, Johns Hopkins Bayview Medical Center

Personal Data

Wilmer Eye Institute
 Wilmer B-29, 600 N. Wolfe Street
 Baltimore, MD 21287
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Education and Training

Undergraduate
 2002 B.S., Biochemistry, Summa Cum Laude, University of Maryland College Park, College Park, MD

Doctoral/graduate
 2007 M.D., Johns Hopkins University School of Medicine, Baltimore, MD
 2007 M.P.H., Johns Hopkins Bloomberg School of Public Health, Baltimore, MD

Postdoctoral
 2007-2008 Preliminary Intern, Johns Hopkins Hospital, Baltimore, MD
 2008-2011 Resident, Ophthalmology, Wilmer Eye Institute, Johns Hopkins Hospital, Baltimore, MD
 2011-2012 Fellow, Cornea, Refractive, and External Disease, Bascom Palmer Eye Institute, Miami, FL
 2012-2013 Fellow, Accident and Emergency and Cataract, Moorfields Eye Hospital, London, UK

Professional Experience

2014-2021 Assistant Professor of Ophthalmology
 2013-2014 Assistant Chief of Service
 Associate Director of Ocular Trauma
 Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD
 2014-2019 Associate residency program director

2014-2019	Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD Division Education Champion for Cataract Surgery Residency Curriculum
2014-2019	Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD Division Education Champion for Cornea Residency Curriculum

PUBLICATIONS (* corresponding author, underline indicates primary mentee):

Original Research [OR]

1. **Woreta F**, Thorne JE, Jabs DA, Kedhar SR, Dunn JP. Risk factors for ocular complications and poor vision at presentation among patients with uveitis and juvenile idiopathic arthritis. *Am J Ophthalmol* 2007;143: 647-655.
2. Thorne JE, **Woreta F**, Jabs DA, Kedhar SR, Dunn JP. Juvenile idiopathic arthritis (JIA)-associated uveitis: incidence of ocular complications and visual acuity loss. *Am J Ophthalmol* 2007;143:840-846.
3. Thorne JE, **Woreta FA**, Jabs DA, Anhalt GJ. Treatment of ocular mucous membrane pemphigoid with immunosuppressive drug therapy. *Ophthalmology* 2008;115:2146-2152.
4. Thorne JE, **Woreta FA**, Dunn JP, Jabs DA. Risk of cataract development among children with juvenile idiopathic arthritis-related uveitis treated with topical corticosteroids. *Ophthalmology* 2010;117:1436-1441.
5. Anwar DS, **Woreta FA**, Weng CY, Repka MK. Incidence of esotropia developing in subjects previously diagnosed with pseudoesotropia: a pilot study. *Strabismus* 2012;20:124-126.
6. **Woreta F**, Munoz B, Gower E, Alemayehu, West S. Three year outcomes of the surgery for trichiasis, antibiotics to prevent recurrence trial. *Arch Ophthalmol* 2012;130:427-431.
7. Lee B, D'Souza M, Singman EL, Wang J, **Woreta FA**, Boland MV, Srikumaran D. Integration of a physician assistant into an ophthalmology consult service in an academic setting. *Am J Ophthalmol* 2018;190:125-133.
8. Srikumaran D, Tian J, Ramulu R, Boland M, **Woreta F**, Wang K, Mahoney M. Ability of ophthalmology residents to self-assess their performance through established milestones. *J Surg Educ* 2019;S1931-7204(18)30689-5.
9. Zafar S, Chen X, Sikder S, Srikumaran D, **Woreta F***. Outcomes of resident-performed small incision cataract surgery in a university-based practice in the United States. *Clin Ophthalmol* 2019;13:529-534.
10. Zafar S, Canner J, Mir T, Srikumaran D, Channa R, Goldberg M, Thorne J, **Woreta FA***. Epidemiology of hyphema-related emergency department visits in the United States between 2006 and 2015. *Ophthalmic Epidemiol* 2019; 22: 1-8.
11. Chen X, Zafar S, Sikder S, Srikumaran D, Boland M, Ramanathan S, **Woreta, F***. National survey and outcomes of resident-performed cataract surgery in monocular patients. *J Cataract Refract Surgery* 2019;45:939-945.
12. Zafar S, Wang X, Srikumaran D, Sikder S, Ramulu P, Boland MV, Singman E, **Woreta FA***. Resident and program characteristics that impact performance on the Ophthalmic Knowledge Assessment Program (OKAP). *BMC Med Educ* 2019;19:190-198.
13. Zafar S, Chen X, **Woreta F**, Sikder S. Self-perceived preparedness and competence among ophthalmology residents for open globe repair. *Clin Ophthalmol* 2019;13:1273-1278.
14. Zafar S, Weng P, Srikumaran D, Schein O, Makary M, **Woreta F***. Billing of cataract surgery as complex versus routine in Medicare beneficiaries. *J Cataract Refract Surgery* 2019;45:1547-1554.
15. Zafar S, Sebestyen S, Qureshi Z, Schein O, Johnson P, Srikumaran D, **Woreta F***. National trends in imaging rates for eye-related emergency department visits in the United States. *Am J Ophthalmol* 2020;211:114-122.
16. Wang KM, Jun AS, Ladas JG, Siddiqui AA, **Woreta F**, Srikumaran D. Accuracy of intraocular lens formulas in eyes with keratoconus. *Am J Ophthalmol* 2020;212:26-33.
17. Zafar S, Wang P, Schein O, Srikumaran D, Makary M, **Woreta F***. Prescribing patterns and costs associated with postoperative eye drop use in Medicare beneficiaries undergoing cataract surgery. *Ophthalmology* 2020; 127:573-581.
18. Mir TA, Canner JK, Zafar S, Srikumaran D, Friedman DS, **Woreta F***. Characteristics of open globe injuries in the United States from 2006 to 2014. *JAMA Ophthalmol* 2020;138:268-275.
19. Zafar S, Chen A, Seo SY, Chen X, Tian J, Srikumaran D, Sikder S, **Woreta F***. The learning curve of a surgical educator: resident cataract surgery outcomes under the supervision of one attending surgeon over five years. *J Acad Ophthalmol* 2020;12:e15-e19.
20. Varadaraj V, **Woreta FA**, Stoeger CG, Tran KD, Jorgenson R, Srikumaran D. Surgeon preference for endothelial keratoplasty technique. *Cornea* 2020;39:2-7.
21. Qiu M, Boland MV, **Woreta FA**, Goshe JM. Deficiencies in ophthalmology residents' case logging of glaucoma surgery. *Ophthalmology Glaucoma* 2020;3:218-220.
22. Zafar S, Bressler NM, Golnik KC, Srikumaran D, Ghous Z, Ip S, Chen X, **Woreta FA***. Fellowship match outcomes in the U.S. from 2010-2017: Analysis of San Francisco (SF) Match. *Am J Ophthalmol* 2020; 218:261-267.

23. Zafar S, Wang P, **Woreta FA**, Aziz K, Makary M, Ghous Z, Srikumaran D. Postoperative complications in Medicare beneficiaries following endothelial keratoplasty (EK) surgery. *Am J Ophthalmol* 2020;20: S0002-9394(20)30274-9.
24. Wang KM, Jun AS, Ladas JG, Siddiqui AA, **Woreta F**, Srikumaran D. Accuracy of intraocular lens formulas in eyes with keratoconus. *Am J Ophthalmol* 2020;212:26-33.
25. Iftikhar M, Canner J, Hall L, Ahmad M, Srikumaran D, **Woreta F***. Characteristics of orbital floor fractures in the United States from 2006 to 2007. *Ophthalmology* 2020; 10:S0161-6420(20)30676-X.
26. Ip S, Zafar S, Liu TYA, Srikumaran D, Repka MX, Goldstein MA, **Woreta FA***. Non-accidental trauma in pediatric patients: evidence-based screening criteria for ophthalmologic examination. *JAAPOS* 2020; 226.e1-226.e5.
27. Wang KM, Lee B, **Woreta FA**, Ramanathan S, Singman EL, Tian J, Srikumaran D. Parental leave policy for ophthalmology residents: results of a nationwide cross-sectional study of program directors. *J Surg Educ* 2020; S1931-7204(20)30334-2.
28. Engelhard SB, Salek SS, Justin GA, Sim AJ, **Woreta FA**, Reddy AK. Malpractice litigation in ophthalmic trauma. *Clin Ophthalmol* 2020;14:1979-86.
29. Fliotsos MJ, Best MJ, Field MG, Srikumaran U, Repka MX, **Woreta F**, Srikumaran D. Impact of reduced elective ophthalmic surgical volume on U.S. hospitals during the early covid-19 pandemic. *J Cataract Refract Surg* 2020 Sept 7. Online ahead of print.
30. Aguwa UT, Aguwa CJ, Repka M, Srikumaran U, **Woreta F**, Singman EL, Jenkins SG, Srikumaran D. Teleophthalmology in the era of covid-19: characteristics of early adopters at a large academic institution. *Telemed J E Health* 2020 Oct 16. Online ahead of print.
31. Gauthier AC, Oduyale OK, Fliotsos MJ, Zafar S, Mahoney NR, Srikumaran D, **Woreta FA***. Clinical characteristics and outcomes in patients undergoing primary or secondary enucleation or evisceration after ocular trauma. *Clin Ophthalmol* 2020;14:3499-3506.
32. Iftikhar M, Mir T, Seidel N, Rice K, Trang M, Bhowmik R, Chun J, Goldberg MF, **Woreta FA***. Epidemiology and outcomes of hyphema: a single tertiary centre experience of 180 cases. *Acta Ophthalmol* 2020 Oct 29. Online ahead of print.
33. Engelhard SB, Justin GA, Craven ER, Sim AJ, **Woreta FA**, Reddy AK. Malpractice litigation in glaucoma. *Ophthalmol Glaucoma* 2020;S2589-4196(20)30280-5.
34. Chen X, Zafar S, Srikumaran D, Boland MV, Johnson TV, Green LK, Ramanathan SR, Pettey J, Gedde SJ, **Woreta FA***. Factors influencing postgraduate career decisions of ophthalmology residents. *J Acad Ophthalmol* 2020; 12(02): e124-e133.
35. Dharssi S, **Woreta FA**, Boland M. Ophthalmology applicant perceptions of two residency application services: the San Francisco Match Central Application Service and the Electronic Residency Application Service. *J Acad Ophthalmol* 2020; 12(02): e188-e194.
36. Mir T, Iftikhar M, Seidel N, Trang M, Goldberg MF, **Woreta FA***. Clinical characteristics and outcomes of hyphema in patients with sickle cell trait: 10-year experience at the Wilmer Eye Institute. *Clin Ophthalmol* 2020;14:4165-72.
37. Jabbour S, Jun AS, Shekhawat NS, **Woreta FA**, Krick TW, Srikumaran D. Descemet membrane endothelial keratoplasty using a pull-through technique with novel infusion forceps. *Cornea* 2020 Dec 4. Online ahead of print.
38. Fliotsos, MJ, Zafar S, **Woreta FA**, Ugoh PM, Srikumaran D. A Comparative Analysis of Ophthalmology Resident Physician Performance Based on Use of Parental Leave. *J Acad Ophthalmol* Jan 25 2021; 13(01): e1-e4.
39. Thanitcul C, Mathews P, **Woreta FA**, Akpek EK, Varadaraj V, Srikumaran D. Surgeon preferences for keratoplasty techniques and barriers to performing deep anterior lamellar keratoplasty. *Cornea* 2021;40:387-92.
40. Campbell JA, Ladas JG, Wang K, **Woreta F**, Srikumaran D. Refractive accuracy in eyes undergoing combined cataract extraction and Descemet membrane endothelial keratoplasty. *Br J Ophthalmol* 2021; bjophthalmol-2020-317247. doi: 10.1136/bjophthalmol-2020-317247. Online ahead of print.
41. Harris JP, Justin GA, Brooks DI, **Woreta FA**, Agrawal RV, Ryan DS, Weichel ED, Colyer MH. Open-globe wounds in operation Iraqi Freedom and operation enduring freedom: risk factors for poor visual outcomes and enucleation. *Acta Ophthalmol* 2021; doi: 10.1111/aos.14790. Online ahead of print.
42. Shah YS, Stroh IG, Zafar S, Zhang N, Sriparna M, Shekhawat N, Ghos Z, Srikumaran D, **Woreta FA***. Delayed diagnosis of Acanthamoeba keratitis at a tertiary care medical centre. *Acta Ophthalmol* 2021. doi: 10.1111/aos.14792. Online ahead of print.
43. Fliotsos MJ, Zafar S, Dharssi S, Chow JC, Srikumaran D, Singman EL, **Woreta FA***. Resident physician predictors of success on the Ophthalmic Knowledge Assessment Program (OKAP) examination. *J Acad Ophthalmol* 2021;13:e40-e45.

44. Shah YS, Zhu AY, Zafar SI, Sarezky D, Li X, Liu TYA, Sachdeva MM, **Woreta FA***. Clinical outcomes of secondary scleral-sutured foldable hydrophilic acrylic intraocular lens placement by trainees: a single-site analysis. *Clin Ophthalmol* 2021;15:783-790.
45. Zhao J, Ahmad M, Gower EW, Fu R, **Woreta FA**, Merbs SL Evaluation and implementation of a mannequin based surgical simulator for margin-involving eyelid laceration repair-a pilot study. *BMC Med Educ* 2021;21:170.
46. Chen A, Canner JK, Zafar S, Ramulu PY, Shields WC, Iftikhar M, Srikumaran D, **Woreta FA***. Characteristics of ophthalmic trauma in fall-related hospitalizations in the United States from 2000 to 2017. *Ophthalmic Epidemiol* 2021; Apr 26:1-10.
47. Thanituc C, Varadaraj V, Canner JK, **Woreta FA**, Soiberman US, Srikumaran D. Predictors of Receiving Keratoplasty for Keratoconus. *Am J Ophthalmol* 2021 May 25:S0002-9394(21)306-8.
48. Hoskin AK, Low R, Sen P, Mishra C, Kamalden TA, **Woreta F**, Shah M, Pauly M, Rousselot A, Sundar G, Natarajan S, Keay L, Gunasekeran DV, Watson SL, Agrawal R; for IGATES Study Group - An Asia Pacific Ophthalmic Trauma Society publication. Epidemiology and outcomes of open globe injuries: the international globe and adnexal trauma epidemiology study (IGATES). *Graefes Arch Clin Exp Ophthalmol* 2021; 259(11):3485-3499.
49. Fliotsos MJ, Reed DS, Giles G, Altman AHH, Santamaria JA, Zafar S, Carlton DK, Johnson AJ, Davies BW, Legault GL, **Woreta FA**, Justin GA. Prevalence, patterns, and characteristics of eye injuries in professional mixed martial arts. *Clin Ophthalmol* 2021 Jun 25;15:2759-2766.
50. Burton E, Arsiwala LT, Johnson TV, Srikumaran D, Zafar S, **Woreta FA***. Applicant characteristics associated with glaucoma fellowship match from 2010-2017. *Ophthalmol Glaucoma* 2022 Mar-Apr;5(2):233-240
51. Hoskin AK, Low R, de Faber JT, Mishra C, Susvar P, Pradhan E, Rousselot A, **Woreta FA**, Keay L, Watson SL, Agrawal R; IGATES Fireworks study group. Eye injuries from fireworks used during celebrations and associated vision loss: the international globe and adnexal trauma epidemiology study (IGATES). *Graefes Arch Clin Exp Ophthalmol*. 2021 Aug 28. doi: 10.1007/s00417-021-05284-z.
52. Mgobju GE, **Woreta FA**, Fliotsos MJ, Zafar S, Ssekasanvu J, Srikumaran D, Zhao J, Buccino DL, Regan L. Prevalence of incivility between ophthalmology and emergency medicine residents during interdepartmental consultations. *AEM Educ Train* 2021;5(4):e10653,
53. Zafar S, Dun C, Srikumaran D, Wang P, Schein OD, Makary M, **Woreta F***. Endophthalmitis rates among Medicare beneficiaries undergoing cataract surgery between 2011-2019. *Ophthalmology* 2021 Sept 16: S0161-6420(21)00685-0.
54. Aguwa UT, Srikumaran D, Green LK, Potts JR 3rd, Canner J, Fountain TR, Sun G, **Woreta FA***. Analysis of sex diversity trends among ophthalmology match applicants, residents, and clinical faculty. *JAMA Ophthalmol*. 2021 Sep 23:e213729.
55. Shah YS, Fliotsos MJ, Alaqeel A, Boland MV, Zafar S, Srikumaran D, **Woreta FA***. Use of Teleophthalmology for Evaluation of Ophthalmic Emergencies by Ophthalmology Residents in the Emergency Department. *Telemed J E Health*. 2021 Oct 6.
56. Tsou BC, Vongsachang H, Purt B, Srikumaran D, Justin GA, **Woreta FA***. Cataract Surgery Numbers in U.S. Ophthalmology Residency Programs: An ACGME Case Log Analysis. *Ophthalmic Epidemiol* 2021;16:1-8.
57. Aguwa UT, Wang J, **Woreta F**, Pettey J, Sun G, Pineles S, Srikumaran D. Residency Program Diversity Recruitment and Education: Survey of Efforts and Barriers to Implementation. *J Surg Educ* 2021 Dec 21:S1931-7204(21)00339-1.
58. Malwankar J, Son HS, Chang DF, Dun C, **Woreta F**, Prescott C, Makary M, Srikumaran D. Trends, Factors, and Outcomes Associated with Immediate Sequential Bilateral Cataract Surgery (ISBCS) Among Medicare Beneficiaries. *Ophthalmology* 2021 Dec 28:S0161-6420(21)00965-9
59. Pham AT, Whitescarver TD, Beatson B, Purt B, Yonekawa Y, Shah AS, Colyer MH, **Woreta FA**, Justin GA. Ophthalmic trauma: the top 100 cited articles in Ophthalmology journals..*Eye (Lond)*. 2022 Jan 3. doi: 10.1038/s41433-021-01871-w. Online ahead of print.
60. Miller SC, Fliotsos MJ, Justin GA, Yonekawa Y, Chen A, Hoskin AK, Blanch RJ, Cavuoto K, Meeralakshmi P, Low R, Gardiner M, Liu TYA, Agrawal R, **Woreta FA**, The International Globe and Adnexal Trauma Epidemiology Study Igates. Global Current Practice Patterns for the Management of Open Globe Injuries. *Am J Ophthalmol* 2022 Feb;234:259-273.
61. Ahmad M, Zhao J, Iftikhar M, Canner JK, Rajaii F, Mahoney N, Zafar S, **Woreta F***. Epidemiologic Trends in Oculoplastics-Related Emergency Department Visits in the United States, 2006-2015. *Ophthalmic Plast Reconstr Surg*. 2022 Mar-Apr;38(2):199-206.
62. Wakabayashi T, Miller SC, Patel SN, Fliotsos MJ, Justin GA, Agrawal R, Chen A, Hoskin AK, Blanch R, Cavuoto K, Meeralakshmi P, Rousselot Ascarza A, Chen RWS, Colyer M, **Woreta FA**, Yonekawa Y; International Globe and Adnexal Trauma Epidemiology Study Group (IGATES). Global Current Practice Patterns for the

- Management of Exogenous Endophthalmitis: A Survey by the American Society of Ophthalmic Trauma. *Curr Eye Res.* 2022 Jan 13:1-7. doi: 10.1080/02713683.2021.2016857. Online ahead of print.
63. Cai CX, Wang J, Ahmad S, Klawe J, **Woreta F**, Srikumaran D, Mahoney NR, Ramulu P. National trends in surgical subspecialisation in ophthalmology in the USA. *Br J Ophthalmol* 2022 Jan 13:bjophthalmol-2021-320295. doi: 10.1136/bjophthalmol-2021-320295. Online ahead of print.
 64. Justin GA, **Woreta FA**, Colyer MH, Auran JD, Pelton RW, Rapuano CJ, Menke AM. Ophthalmic Trauma Malpractice in the Ophthalmic Mutual Insurance Company Database. *Eye(Lond)* 2022 Jan 14. doi: 10.1038/s41433-021-01893-4. Online ahead of print.
 65. Shah YS, Iftikhar M, Justin GA, Canner JK, **Woreta FA***. A National Analysis of Ophthalmic Features and Mortality in Abusive Head Trauma. *JAMA Ophthalmol* 2022; 140:227-234.
 66. Thangamathesvaran L, Miller SC, Tsou B, Flitsos MJ, Yonekawa Y, Chen A, Hoskin AK, Blanch RJ, Cavuoto K, Meeralakshmi P, Low R, Gardiner M, Alvin Liu TY, Agrawal R, Justin GA, **Woreta FA***; International Globe and Adnexal Trauma Epidemiology Study (IGATES). Global Current Practice Patterns for the Management of Central Retinal Artery Occlusion. *Ophthalmol Retina.* 2022 Jan 28:S2468-6530(22)00036-7. doi: 10.1016/j.oret.2022.01.014. Online ahead of print.
 67. Khan A, Murphy DA, Kloek CE, Dvorak JD, **Woreta FA**, Riaz KM. Surgeons' Perspectives on Intraoperative Gray Area Surgical Complications of Cataract Surgery. *J Cataract Refract Surg.* 2022 Feb 8. doi: 10.1097/j.jcrs.0000000000000905. Online ahead of print.
 68. Aguwa UT, Aguwa CJ, Onor GI, Srikumaran D, Canner J, Knight OJ, Green LK, **Woreta F***. Racial and Ethnic Diversity Within U.S. Residencies: Trends from 2011 to 2019. *J Surg Educ* 2022 May-Jun;79:587-594.
 69. Menard M, Shah YS, Stroh IG, Zafar S, Sriparna M, Zhang N, Agarwal AA, Shekhawat N, Srikumaran D, **Woreta F***. Microbial Profile and Clinical Outcomes of Fungal Keratitis at a Single-Center Tertiary Care Hospital. *Clin Ophthalmol.* 2022 Feb 11;16:389-399.
 70. Justin GA, Miller SC, Tsou B, Li X, Purt B, Flitsos MJ, Zhao J, Gardner SE, Legault GL, Yonekawa Y, Rapuano CJ, **Woreta FA**, Pelton RW. Ghost and Honorary Authorship in Ophthalmology: A Cross-Sectional Survey. *Am J Ophthalmol.* 2022 Feb 25:S0002-9394(22)00067-8.
 71. Vongsachang H, Flitsos MJ, Lorch AC, Singman EL, **Woreta FA**, Justin GA. The impact of COVID-19 on ophthalmology resident surgical experience: a retrospective cross-sectional analysis. *BMC Med Educ.* 2022 Mar 4;22(1):142.
 72. Burton E, Assi L, Vongsachang H, Swenor BK, Srikumaran D, **Woreta FA**, Johnson TV. Demographics, clinical interests, and ophthalmology skills confidence of medical student volunteers and non-volunteers in an extracurricular community vision screening service-learning program. *BMC Med Educ.* 2022 Mar 4;22(1):143.
 73. Aguwa UT, Srikumaran D, Canner J, Knight OJ, Scott AW, Green L, **Woreta F***. Trends in Racial and Ethnic Diversity of Ophthalmology Residents and Residency Applicants. *Am J Ophthalmol.* 2022 Aug;240:260-264.
 74. Thangamathesvaran L, Canner JK, Scott AW, **Woreta FA**, Breazzano MP. National emergency department trends for endogenous endophthalmitis: an increasing public health challenge. *Eye (Lond).* 2022 Apr 29.
 75. Abousy M, Schilling A, Qiu M, Justin GA, Rajaii F, Li X, **Woreta FA***. Ophthalmology Resident Ophthalmic Trauma Case Exposure: Trends Over Time and an ACGME Case Log Analysis. *Clin Ophthalmol.* 2022 May 2;16:1365-1373.
 76. Ledesma Vicioso N, **Woreta F**, Sun G. Presence of Diversity or Inclusion Information on US Ophthalmology Residency Program Websites. *JAMA Ophthalmol.* 2022 Jun 1;140(6):606-609.
 77. Li G, Di Meglio L, Wang J, **Woreta FA**, Bower KS, Jhanji V, Srikumaran D, Soiberman US. Crosslinking vs. Observation in Fellow Eyes of Keratoconus Patients. *J Ophthalmol.* 2022 Jun 1;2022:4661392.
 78. Justin GA, Soleimani M, Zafar S, Cheraqpour K, Green C, Moin M, Prajna NV, Golnik KC, **Woreta FA**. The Ophthalmology Surgical Competency Assessment Rubric (OSCAR) for Open Globe Surgical Management. *Clin Ophthalmol.* 2022 Jun 21;16:2041-2046.
 79. Burton E, Mishra K, Arsiwala LT, Zafar S, Justin GA, Mruthyunjaya P, **Woreta FA***. Applicant Characteristics Associated with Retina Fellowship Match from 2010-2019. *Ophthalmol Retina.* 2022 Jun 27:S2468-6530(22)00315-3.
 80. Aguwa UT, Menard M, Srikumaran D, Prescott C, Canner J, **Woreta F***. Sex diversity within U.S. residencies: a cross-sectional study of trends from 2011 to 2019. *BMC Med Educ.* 2022 Jul 5;22(1):526.
 81. Massenzio SS, Uhler TA, Massenzio EM, Sun E, Srikumaran D, Clifton MM, Green LA, Sun G, Wang J, Woreta FA. Navigating the Ophthalmology & Urology Match with a Significant Other. *J Surg Ed* 2022; Aug 11; S1931-7204(22)00187-8.
 82. Hoskin AK, Flitsos MJ, Rousselot A, Ng SMS, Justin GA, Blanch R, Colyer MH, Shukla B, Natarajan S, Kuhn F, Sundar G, **Woreta FA**, Watson SL, Agrawal R; International Globe and Adnexal Trauma Epidemiology Study (IGATES) Ophthalmic Trauma Terminology Consensus Group. Globe and Adnexal Trauma Terminology Survey. *JAMA Ophthalmol.* 2022 Jul 21. doi: 10.1001/jamaophthalmol.2022.2594.

83. Tsou, BC, Eller, ZM, Fliotsos, MJ, Qiu, M; Zafar, S; Srikumaran, D, Bower, K, **Woreta, FA***. Exposure of Ophthalmology Residents to Cornea and Keratorefractive Surgeries in the United States. *J Acad Ophthalmol*; Issue Sept 2 2022; 14(02): e169-e177.
84. Jin, JQ, Ahmad TR, Parikh N, Srikumaran D, **Woreta, F**, Ramanathan S. In the Mind of the Ophthalmology Residency Applicant: Deciding Where to Apply, Interview, and Rank. *J Acad Ophthalmol* Sept 8 2022; 14(02): e201-e208.
85. Tsou, BC, Aguwa, UT, Arsiwala, LT, Burton E, Mishra, K, Zafar, S, **Woreta, F**. Trends in Cornea Fellowship Applications and Applicant Characteristics: A San Francisco Match Analysis. *J Acad Ophthalmol* Sept 23 2022; 14(02): e216-e223.
86. Elam AR, Tseng VL, Rodriguez TM, Mike E, Warren A, Coleman AL, American Academy of Ophthalmology Taskforce on Disparities in Eye Care. *Ophthalmology* 2022 Oct;129:e89-113.
87. Xiao G, Sikder S, **Woreta F**, Boland M. Implementation and evaluation of integrating an electronic health record with the ACMGE Case Log system. *Grad Med Educ* 2022 Aug;14:482-487.
88. Heckenlaible MJ, Dun C, Prescott C, Eghrari AO, Woreta F, Makary MA, Srikumaran D. Predictors of receiving keratoplasty for Fuchs' endothelial corneal dystrophy among Medicare beneficiaries. *Ophthalmology* 2022; Aug 3:S0161-6420(22)00589-9.
89. **Woreta FA**, Gordon LK, Knight OJ, Randolph JD, Zebardast N, Perez-Gonzalez CE. Enhancing diversity in ophthalmology workforce. *Ophthalmology* 2022 Oct;129:e127-e136.
90. Vongsachang H, Iftikhar M, Canner J, **Woreta F**. Factors associated with length of stay and cost among pediatric hospitalizations with a primary ophthalmic diagnosis. *Ophthalmic Epidemiol* 2022 Sept 21;1-7.
91. Huh DD, Wang J, Fliotsois MJ, Beal CB, Boente CS, Wisely CE, De Andrade LM, Lorch AC, Ramanathan S, Reinoso MA, Swamy RN, Waxman EL, **Woreta FA**, Srikumaran D. Association between parental leave and ophthalmology resident physician performance. *JAMA Ophthalmol* 2022 Sept 29, e223778.
92. Miller SC, Meeralakshmi P, Fliotsos MJ, Justin GA, Yonekawa Y, Chen A, Hoskin A, Blanch RJ, Cavuoto KM, Low R, Li X, Gardiner M, Liu TY, Shah AS, Auran JD, Agarwal R, **Woreta F***, International Globe and Adnexal Trauma Epidemiology Study (IGATES). Global current practice patterns for the management of hyphema. *Clin Ophthalmol* 2022;16:3135-3144.
93. Jensen AD, Taneja K, Ahmad MT, **Woreta FA**, Rajaii F. Incidence and characteristics of orbital hemorrhages in the United States from 2006 to 2018. *Clin Ophthalmol* 2022 Oct 12;3369-3380.
94. Chen V, Pharr C, Junn S, Kraus CL, Fliotsos M, Park HJ, Alexander JL, **Woreta F**, Carey GB, Levin MR. Baltimore pediatric ocular trauma study: Health disparities and outcomes in pediatric and adolescent open globe trauma. *Injury*. 2023 Feb;54(2):533-539.
95. Ali M, Saeed S, Zafar S, Golnik KC, **Woreta F***. Predictors of matching into an ophthalmology fellowship for international medical graduates: a San Francisco match analysis. *Int Ophthalmol* 2023;43:2029-2035. doi: 10.1007/s10792-022-02602-0. Online ahead of print.
96. Xiao G, Srikumaran D, Sikder S, **Woreta F**, Boland MV. Assessing Resident Cataract Surgical Outcomes Using Electronic Health Record Data. *Ophthalmol Sci*. 2022 Dec 5;3(2):100260.
97. Abousy M, Schilling A, Qiu M, Rajaii F, Li X, **Woreta FA***. Ophthalmology Resident Oculofacial Surgery Case Exposure: An ACGME Case Log Analysis. *Ophthalmic Plast Reconstr Surg* 2023 Mar-Apr 01;39:187-193.
98. Xiao G, Tsou BC, Soiberman US, Prescott CR, Srikumaran D, **Woreta FA***. Keratoplasty in the United States: Trends and Indications From 2015 to 2020. *Cornea* 2023;42:1360-1364. 2023 Nov 1;42(11):1360-1364
99. Dai X, Jensen A, Dun C, Karakus S, Rajaii F, **Woreta F***. Cost and Prescriber and Patient Characteristics of Cenegermin Use in the Medicare Population. *Am J Ophthalmol*. 2023 Feb 6;250:12-19.
100. Awidi AA, Mathews PM, Shekhawat N, **Woreta FA**, Srikumaran D, Daoud YJ. Comparison of simultaneous vs sequential pars plana vitrectomy and cataract surgery. *BMC Ophthalmol*. 2023 Feb 23;23(1):74. doi: 10.1186/s12886-023-02801-y.
101. Huh DD, Dun C, Fliotsos MJ, Jeng BH, Stoeger CG, Makary M, **Woreta FA**, Wolle M, Srikumaran D. Trends and Surgeon Variations in Early Replants After Endothelial Keratoplasty: Analysis of the National Medicare Data Set. *Cornea*. 2023 Feb 17. doi: 10.1097/ICO.0000000000003252. Online ahead of print.
102. Sun E, Tsou BC, Tian J, Eltemsah L, Srikumaran D, Chow J, **Woreta F***. Fate of Research Articles Reported by Ophthalmology Residency Applicants: What Happens to "Submitted" and "In Preparation" Articles? *J Surg Educ*. 2023 Feb 27:S1931-7204(23)00057-0.
103. Tomaiuolo M, **Woreta FA**, Li A, Yonekawa Y, Zhang Q, Sharpe JE, Zafar S, Syed ZA, Ramesh S, Lorch AC, Hall NE, Shah AS, Justin GA, Hyman L; IRIS Registry Analytic Center Consortium. Open Globe Injury Repairs in the American Academy of Ophthalmology IRIS® Registry 2014-2018: Incidence, Risk Factors, and Visual Outcomes. *Ophthalmology*. 2023 Mar 14:S0161-6420(23)00154-9.

104. [Awidi AA](#), Wang J, Varadaraj V, Ali M, Cai CX, Sommer A, Ramulu PY, **Woreta FA***. The Impact of Social Determinants of Health on Vision Loss from Cataracts and Cataract Surgery Utilization in the United States: Analysis of Three National Health Interview Survey Years, 2008, 2016, 2017. *Am J Ophthalmol* 2023; 44:53.
105. [Mahjoub H](#), Ssekasanvu J, Yonekawa Y, Justin GA, Cavuoto KM, Lorch A, Madan V, Sivakumar I, Zhao X, Quintero M, Simeon OF, Salabati M, Wu CM, **Woreta FA***. Most Common Ophthalmic Diagnoses in Eye Emergency Departments: A Multicenter Study. *Am J Ophthalmol.* 2023 254:36-43.
106. Hussain ZS, Khan A, Loya A, Shah K, **Woreta FA**, Riaz KM. Early Lifetime Substance Use and Development of Visual Impairment: Analysis of the National Survey on Drug Use and Health Data. *Clin Ophthalmol.* 2023 Mar 14;17:849-860.
107. Luo J, Wong R, Mehta T, Schwartz JI, Epstein JA, Smith E, Kashyap N, **Woreta FA**, Feterik K, Flitsos MJ, Crotty BH. Implementing real-time prescription benefit tools: Early experiences from 5 academic medical centers. *Healthc (Amst).* 2023 Mar 27;11(2):100689. doi: 10.1016/j.hjdsi.2023.100689.
108. [Maru JA](#), Wang JW, Knight O'Rese, Oatts JT, Tsou BC, Ross DA, Moore EZ, Zhang AY, Ramanathan S, **Woreta FA***. Barriers in Ophthalmology Residency for Students Identifying as Underrepresented in Medicine: A San Francisco Match Analysis. *J Surg Educ* 2023;8:971-980.
109. Mgboji GE, Varadaraj V, Thanitcul C, Canner JK, **Woreta FA**, Soiberman US, Srikumaran D. Deep Anterior Lamellar Keratoplasty and Penetrating Keratoplasty for Keratoconus: A Claims-Based Analysis. *Cornea.* 2023 Jun 1;42(6):663-669. doi: 10.1097/ICO.0000000000003072.
110. Shekhawat NS, Hall LN, Sulewski ME Jr, **Woreta F**, Wang J, Smith K, Kuo IC. Corneal Culture and Antibiotic Susceptibility Results for Microbial Keratitis in the Mid-Atlantic Region of the United States, 2016 to 2020. *Eye Contact Lens.* 2023 Jul 1;49(7):267-274.
111. Tsou BC, Smith K, Shah R, **Woreta FA**, Vedula SS, Sikder S. Opportunity Cost to Attending Surgeons of Intraoperative Training for Residents in Cataract Surgery. *Clin Ophthalmol* 2023 May 22;17:1433-1438.
112. [Iftikhar M](#), Dun C, Schein OD, Lum F, **Woreta F***. Cystoid Macular Edema after Cataract Surgery in the United States: IRIS® Registry (Intelligent Research in Sight) Analysis. *Ophthalmology* 2023 Oct;130:1005-1014.
113. [Tsou BC](#), Eller ZM, Flitsos MJ, Qiu M, Zafar S, Srikumaran D, Bower K, **Woreta FA***.
114. Exposure of Ophthalmology Residents to Cornea and Keratorefractive Surgeries in the United States. *J Acad Ophthalmol* 2022 Sep 2;14:e169-e177.
115. Jin JQ, Ahmad TR, Parikh N, Srikumaran D, **Woreta F**, Ramanathan S. In the Mind of the Ophthalmology Residency Applicant: Deciding Where to Apply, Interview, and Rank. *J Acad Ophthalmol* 2022 Sep 8;14:e201-e208.
116. [Tsou BC](#), Aguwa UT, Arsiwala LT, Burton E, Mishra K, Zafar S, **Woreta F***. Trends in Cornea Fellowship Applications and Applicant Characteristics: A San Francisco Match Analysis. *J Acad Ophthalmol* 2022;14:e216-e223.
117. [Sun E](#), Tian J, Eltemsah L, Srikumaran D, Sun G, Chow J, **Woreta F***. Impact of Gender and Underrepresented in Medicine Status on Research Productivity Among Ophthalmology Residency Applicants. *Am J Ophthalmol* 2024; 257:1-11.
118. [Khan A](#), Rangu N, Thanitcul C, Riaz KM, **Woreta FA***. Ophthalmic Education: The Top 100 Cited Articles in Ophthalmology Journals. *J Acad Ophthalmol* 2023;15(2):e132-e143.
119. [Dai X](#), Chang DF, Chen A, Dun C, Saeed S, Repka MX, **Woreta FA***. Use and Cost of Sustained-Release Corticosteroids for Cataract Surgery Under the Medicare Pass-Through Program. *JAMA Ophthalmol.* 2023 Sep 1;141(9):844-851.
120. [Rizk EM](#), Wang J, Zhao X, Tsou B, Metiku BE, Cho K, Samineni P, Sridhar J, **Woreta FA***. Rates of Internal Hiring of Ophthalmology Faculty from their Institution of Training at Top Academic Medical Centers: A Cross-Sectional Study. *J Acad Ophthalmol* 2023;15(2):e154-e161.
121. [Ali M](#), Menard M, Zafar S, Williams BK Jr, Knight OJ, **Woreta FA***. Sex and Racial and Ethnic Diversity Among Ophthalmology Subspecialty Fellowship Applicants. *JAMA Ophthalmol.* 2023 Oct 1;141:948-954.
122. [Sabharwal J](#), Dai X, Dun C, Chen A, Ali M, Schein OD, Ramulu PY, Makary M, Johnson TV, **Woreta F***. Early Endophthalmitis Incidence and Risk Factors after Glaucoma Surgery in the Medicare Population from 2016 to 2019. *Ophthalmology.* 2023 Sep 12:S0161-6420(23)00665-6.
123. [Chen A](#), Dun C, Schein OD, Srikumaran D, Zafar S, Makary M, **Woreta F***. Endophthalmitis rates and risk factors following intraocular surgeries in the Medicare population from 2016 to 2019. *Br J Ophthalmol* 2024;108:232-237.
124. [Udeh A](#), Huh D, Young T, Knight O, **Woreta F***. Am J Ophthalmol. Disparities in Promotion and Retention Rates Among Underrepresented in Medicine Faculty in U.S. Ophthalmology Departments. 2024 258;1-7.
125. [Son HS](#), Chang DF, Li C, Liu L, Zafar S, Lum F, **Woreta FA***. Visual Acuity Outcomes and Complications after Intraocular Lens Exchange: An IRIS® Registry (Intelligent Research in Sight) Analysis. *Ophthalmology.* 2023 Oct 18:S0161-6420(23)00766-2.

126. [Ali M](#), Dun C, Chen A, Saeed S, Prescott CR, Makary MA, Srikumaran D, **Woreta FA***. Early Endophthalmitis Rates and Risk Factors After Corneal Transplant Surgeries in Medicare Beneficiaries From 2016 to 2019. *Cornea*. 2023 Oct 30. doi: 10.1097/ICO.0000000000003403. Online ahead of print.
127. [Ali M](#), Dun C, Cho K, Soiberman U, **Woreta F**, Makary MA, Jhanji V, Srikumaran D. Infectious Keratitis After Keratoplasty in the United States: Analysis of a National Medicare Claims Data Set. *Cornea* 2023 Oct 30. doi: 10.1097/ICO.0000000000003405. Online ahead of print.
128. Miller SC, Tsou BC, Fliotsos MJ, Legault GL, Wang J, Mondzelewski TJ, Munson PD, Lorch A, Green LK, Kim WI, Pelton RW, **Woreta FA**, Justin GA. Perspectives of Resident and Attending Ophthalmologists on Common Ethical Dilemmas in Research. *J Acad Ophthalmol* 2023 Nov 7;15:e237-e242.
129. Foley LM, Colby KA, Rapuano CJ, **Woreta FA**, Syed ZA. Variations in Management of Zone 1 Open Globe Injuries Across Corneal Specialists. *Cornea*. 2023 Nov 7. doi: 10.1097/ICO.0000000000003425. Online ahead of print.
130. [Iftikhar M](#), Canner JK, Latif A, Shah SMA, Justin GA, **Woreta FA**. Injury. Epidemiology of ophthalmic trauma in the United States from 2009-2018: A Nationwide Emergency Department Sample Analysis. 2023 Nov 17:11209. doi: 10.1016/j.injury.2023.11209. Online ahead of print.
131. Patterson TJ, Kedzierski A, McKinney D, Ritson J, McLean C, Gu W, Colyer M, McClellan SF, Miller SC, Justin GA, Hoskin AK, Cavuoto K, Leong J, Ascarza AR, **Woreta FA**, Miller KE, Caldwell MC, Gensheimer WG, Williamson T, Dhawahir-Scala F, Shah P, Coombes A, Sundar G, Mazzoli RA, Woodcock M, Watson SL, Kuhn F, Halliday S, Gomes RSM, Agrawal R, Blanch RJ. The risk of sympathetic ophthalmia associated with open globe injury management strategies: a meta-analysis. *Ophthalmology*. 2023 Dec 10:S0161-6420(23)00887-4.
132. Pan AA, Pham AT, Appelo B, Legault GL, **Woreta FA**, Justin GA. Utilizing a composite citation index for evaluating clinical ophthalmology research: insights into gender, nationality, and self-citation among top ophthalmology researchers. *Eye (Lond)* 2024 Jan 3. doi: 10.1038/s41433-023-02912-2. Online ahead of print.
133. [Webb K](#), Dun C, Dai X, Chen A, Srikumaran D, Makary MA, **Woreta FA***. Trends of Surgery, Patient, and Surgeon Characteristics for Corneal Transplants in the Medicare Population From 2011 to 2020. *Cornea*. 2024 Jan 25. doi: 10.1097/ICO.000000000000034. Online ahead of print.

Review Articles [RA]

1. **Woreta FA**, Gupta, A; Hochstetler, BS; Bower, KS. Management of post-photorefractive keratectomy pain. *Surv Ophthalmol* 2013;58:529-535.
2. **Woreta F**, Bower KS. Update on contraindications for laser-assisted in situ keratomileusis and photorefractive keratectomy. *Curr Opin Ophthalmol* 2014;25:1-7.
3. **Woreta FA**, Davis GW, Bower KS. Lasik and surface ablation in corneal dystrophies. *Surv Ophthalmol* 2015;60:115-122.
4. Bower KS, **Woreta FA**, Mir TA. The role of the posterior corneal surface in surgical planning. *Expert Rev Ophthalmology* 2015;10:587-593.
5. See C, [Iftikhar M](#), **Woreta F***. Pre-operative evaluation for cataract surgery. *Curr Opin Ophthalmol* 2019;30:3-8.
6. [Mishra K](#), Boland M, **Woreta F***. Incorporating a virtual curriculum into ophthalmology education in the COVID-19 era. *Curr Opin Ophthalmol* 2020;31:380-385.
7. [Iftikhar M](#), Abariga SA, Hawkins BS, Zafar S, Mir TA, Jampel H, **Woreta FA**. Pharmacologic interventions for mydriasis in cataract surgery. *Cochrane Database Syst Rev*. 2021 May 27;5(5):CD012830. doi: 10.1002/14651858.CD012830.pub2.
8. Wong R, Mehta T, Very B, Luo J, Feterik K, Crotty BH, Epstein JA, Fliotsos MJ, Kashyap N, Smith E, **Woreta FA**, Schwartz JI. Where Do Real-Time Prescription Benefit Tools Fit in the Landscape of High US Prescription Medication Costs? A Narrative Review. *J Gen Intern Med*. 2023 Mar;38(4):1038-1045.
9. **Woreta FA**, Lindsley KB, Gharaibeh A, Ng SM, Scherer RW, Goldberg MF. Medical interventions for traumatic hyphema. *Cochrane Database Syst Rev*. 2023 Mar 13;3(3):CD005431. doi: 10.1002/14651858.CD005431.pub5
10. Soleimani M, Cheraqpour K, Salari F, Fadakar K, Habeel S, Baharnoori SM, Banz S, Tabatabaei SA, **Woreta FA**, Djalilian AR. All about traumatic cataracts. *J Cataract Refract Surg* 2024 Feb 9. doi: 10.1097/j.jcrs.0000000000001424. Online ahead of print.

Case Reports [CR]

1. **Woreta F**, Lockman J, Heldrich FJ, Santosham M, Resar LM. Hepatomegaly, pancytopenia, coagulopathy: big words about a feverish infant. *Contemporary Pediatrics* Oct 2005; 26-32.
2. Diakonis VF, Kankariya VP, **Woreta F**, Yoo SH, Lubahan JG, Kymionis GD, Srur L. Refractive and topographic fluctuations due to intracorneal ring segments mobility. *J Refract Surg* 2013;1-3.
3. **Woreta FA**, Kiely A, Channa R. Eye mass. *JAMA* 2014;311:1914-5.

4. Jun AS, Kiely AE, **Woreta F**, Vianna LM. Retained host descemet membrane (auto-DMET) during conversion of deep anterior lamellar keratoplasty to penetrating keratoplasty: a case report. *Cornea* 2014;33:865-867.
5. Crum A, Srikumaran D, **Woreta F**. Bitot's spots following bariatric surgery: an ocular manifestation of systemic disease. *Case Reports in Ophthalmol* 2017;21:581-589.
6. Lee B, Cai CC, Srikumaran D, **Woreta FA***. Severe achromobacter xylosoxidans keratitis with deep corneal involvement. *Am J Ophthalmol Case Rep* 2018;11:128-130.
7. Ciocco L, Hassan S, **Woreta F**, Srikumaran D. Epithelial ingrowth venting incisions into laser-assisted in situ keratomileusis flap interface after Descemet stripping automated endothelial keratoplasty. *Am J Ophthalmol Case Rep* 2018;13:25-7.
8. Shakarchi AF, **Woreta F**, Stroh IG, Eberhart CG, Vizcaino MA, Collins ME. Partial-thickness scleral defect in a congenital scleral epithelial cyst: a case report. *JAAPOS* 2020;S1091-8531(20)30065-3.
9. Jenkins SG, Jun AS, **Woreta FA**, Srikumaran D. Yag laser treatment for epithelial ingrowth in Descemet's Membrane Endothelial Keratoplasty interface. *Cornea* 2020.; 39:1439-41. Online ahead of print. PMID 32384302.
10. Lee MJ, Srikumaran D, Zafar S, Salehi M, Liu TS, **Woreta FA***. Case series: delayed diagnoses of Acanthamoeba keratitis. *Am J Ophthalmol Case Rep* 2020;10:19:100778.
11. Plum W, Chen X, Varadaraj V, Srikumaran D, Sikder S, **Woreta FA***. Pharmacologic pupillary constriction after dilated fundus examination for ectopia lentis to prevent further subluxation. *Am J Ophthalmol Case Rep* 2020;18:100694.
12. Awidi AA, **Woreta FA***. Corneal lacerations following crab claw injuries. *Am J Ophthalmol Case Rep* 2020;25:101288. doi: 10.1016/j.ajoc.2022.101288.
13. Jabbor S, Shekhawat NS, Chen A, **Woreta F**. Presumed herpes zoster ophthalmicus reactivation following recombinant zoster vaccination. *Cornea* 2021;40:248-250.
14. Chen A, **Woreta FA**, Jun AS. Combined Temporary Pupiloplasty and DSEK in an Eye with a hydrophilic acrylic intraocular lens to prevent opacification: A Case Report. *Cornea* 2023 Apr 1;42:487-489.
15. Dai X, Lee MJ, Schein OD, Wenick AS, Oboh-Weilke AM, **Woreta FA**. Surgical Approach for Monoclonal Gammopathy of Undetermined Significance-Related Ocular Copper Deposition. *Cornea* 2023 Dec 28. doi: 10.1097/ICO.0000000000003451.

Book Chapters, Monographs (BC)

1. **Woreta F**, Dauod YJ, Bower KS. LASIK Instrumentation: microkeratomes, excimer lasers, and wavefront analyzers. In: Copeland RA, Afshari NA, eds. *Copeland and Afshari's Principles and Practice of Cornea*. New Delhi, India; Jaypee Brothers Medical Publishers 2012; 1286-1299.
2. **Woreta FA**, Karp CL. Ocular Surface Neoplasia. In: Holland EJ, Mannis MJ, Lee WB, eds. *Ocular Surface Disease: Cornea, Conjunctiva, and Tear Film*. London, New York; Elsevier/Saunders 2013, 145-159.
3. **Woreta FA**, Banta JT, Kuhn F, Mahoney NR. Management of ophthalmic trauma. *Peyman's Principles and Practice of Ophthalmology*. New Delhi, India; Jaypee Brothers Medical Publishers 2018;1845-1862.
4. **Woreta FA**, Banta JT, Kuhn F, Mahoney, Arevalo F. Anterior segment repair and reconstruction in traumatic cases. In textbook *Video Atlas of anterior segment repair and reconstruction: managing in challenging cases in cornea, glaucoma, and lens surgery*. New York, NY; Thieme publishers 2019; 197-205.
5. **Woreta, FA**. Slit-lamp examination. In *Practical Ophthalmology: a manual for beginning residents 8th edition*. San Francisco, CA; American Academy of Ophthalmology 2020.
6. **Woreta, FA**. Anterior segment examination. In *Practical Ophthalmology: a manual for beginning residents 8th edition*. San Francisco, CA; American Academy of Ophthalmology 2020.
7. **Woreta, FA**. Ophthalmic emergencies. In *Practical Ophthalmology: a manual for beginning residents 8th edition*. San Francisco, CA; American Academy of Ophthalmology 2020.

Other Publications:

Editorials (ED)

1. Aguwa UT, Srikumaran , Brown N, **Woreta F***. Improving racial diversity in the ophthalmology workforce: a call to action for leaders in ophthalmology. *Am J Ophthalmol* 2020;22:306-307.
2. Justin GA, Pelton RW, **Woreta F**, Legault GL. Authorship ethics: a practical approach. *Am J Ophthalmol* 2020 Nov 27. Online ahead of print.
3. Chen A, McGwin Jr G, Justin GA, **Woreta FA***. The United States Eye Injury Registry: past and future directions. *Ophthalmology* 2020;S0161-6420(20)31121-0.
4. Sopeyin A, Knight OJ, Green LK. **Woreta F***. Improving self-reported metrics on racial/ethnic diversity in ophthalmology trainee recruitment: lessons learned and future directions. *Am J Ophthalmol* 2021 Jul 16;S0002-9394(21)00368-8.

5. Doug AT, Law JC, Ramirez DA, **Woreta F**, Sun G. Advancing lesbian, gay, bisexual, transgender, and queer (LGBTQ+) diversity, equity, and inclusion in ophthalmology. *Ophthalmology* 2022;129:1232-1234.
6. Aguwa UT, Sun G, **Woreta F***. Sex and gender reporting in Ophthalmology. *JAMA Ophthalmol* 2022;140:1161-1162.
7. Mudalegundi S, Hammoud MM, **Woreta F***. Envisioning a New Era of Hybrid Interviews in Residency Selection: A Step Toward Equity. *Acad Med* 2023;98:1236-1237.
8. Ali M, Lorch AC, Woreta F. Assessing Quality Metrics in Ophthalmic Surgery: A Standardized Approach. *Ophthalmol Sci* 2023 Oct 21;3:100415.

Research Letters/White Papers/Brief Reports (RL)

1. Shah YS, Zafar S, Johnson TV, Srikumaran D, Repka MX, **Woreta FA***. An algorithm for ramp up of ophthalmic elective surgeries post-COVID-19. *Ophthalmic Epidemiol* 2021;28:90-92.
2. Zafar S, Dun C, Srikumaran D, Cai CX, Wang P, Schein OD, Makary M, **Woreta F***. National Physician-Level Endophthalmitis Rates for Cataract Surgery among Medicare Beneficiaries in the United States: 2011-2019. *Ophthalmology* 2023; S0161-6420(23)00204-X.

Letters, Correspondence [L]

1. Zafar S, Sebestyen K, Qureshi Z, Schein O, Johnson P, Srikumaran D, **Woreta FA**. Reply to comment on: National trends in imaging rates for eye-related emergency department visits in the U.S. *Am J Ophthalmol* 2020;215:160.
2. Wang KM, Jun AS, Ladas JG, Siddiqui AA, **Woreta F**, Srikumaran D. Reply to comment on: Accuracy of intraocular lens formulas in eyes with keratoconus. *Am J Ophthalmol* 2020;218:355-6.
3. Zafar S, Schein OD, **Woreta FA***. Reply to comment on Prescribing patterns and costs associated with postoperative eye drop use in Medicare beneficiaries undergoing cataract surgery. *Ophthalmology* 2020 Dec;127(12):e110. doi: 10.1016/j.ophtha.2020.06.041.Epub 2020 Jul 29.
4. Zafar S, Schein OD, **Woreta FA***. Reply to comment on Prescribing patterns and costs associated with postoperative eye drop use in Medicare beneficiaries undergoing cataract surgery: *Ophthalmology* 2020 Dec;127(12):e111.doi: 10.1016/j.ophtha.2020.06.035.Epub 2020 Jul 29.
5. Chen A, McGwin Jr G, Justin GA, **Woreta FA***. Reply to comment on The United States Eye Injury Registry: past and future directions. *Ophthalmology* 2021 Jul;128(7):e34. doi: 10.1016/j.ophtha.2021.03.012.
6. Jenkins SG, Jun AS, **Woreta F**, Srikumaran D. Letter to the Editor - Author's Reply: YAG Laser Treatment for Epithelial Ingrowth in Descemet's Membrane Endothelial Keratoplasty Interface. *Cornea* 2021;40:e11-12.

Invited Commentary [IC]

1. Canner JK, Sakran JV, **Woreta F**. A vision for the future of pediatric firearm-related ocular trauma. *JAMA Ophthalmol* 2019;137(12):1371-2.
2. **Woreta FA**, Schein OD. Immediate sequential bilateral cataract surgery-the patient perspective should prevail. *JAMA Ophthalmol* 2021 July 1. doi: 10.1001/jamaophthalmol.2021.2029. Online ahead of print.

Media Releases or Interviews [MR]

1. JAMA Ophthalmology interview Jan 23, 2020 “Characteristics of open globe injuries in the United States from 2006 to 2014”. <https://edhub.ama-assn.org/jn-learning/audio-player/18178687>
2. Sridhar J, Chow J, Gandhi N, Woreta F. Straight from the Cutter’s Mouth: a retina podcast interview Feb 12, 2020 “Being an ophthalmology residency program director with Dr. Nandini Gandhi, Fasika Woreta, and Jessica Chow”, <https://www.aao.org/audio/episode-213-being-ophthalmology-residency-program> <http://www.retinapodcast.com/episodes/2020/2/12/episode-213-being-an-ophthalmology-residency-program-director-with-drs-jessica-chow-nandini-gandhi-and-fasika-woreta>
3. Media release “CT usage rates escalate for eye-related emergencies” Nov 25, 2019 <https://www.auntminnie.com/index.aspx?sec=sup&sub=cto&pag=dis&ItemID=127379>
4. Eyes for Ears: an OKAPS podcast review for residents. June 24, 2020 “Panel for applying for ophthalmology residency” <https://eyes4ears.podbean.com/e/panel-on-applying-for-residency-with-drs-nandini-gandi-fasika-woreta-and-jessica-chow/>
5. Sridhar J, Yonekawa Y, Woreta F, Tran KD. Straight from the Cutter’s Mouth: a retina podcast interview Jan 18, 2021, “Trauma journal club with Drs. Kimberly Tran, Fasika Woreta, and Yoshihiro Yonekawa”. <https://www.aao.org/audio/episode-276-trauma-journal-club-with-drs-kimberly-.> 0.5 General AMA PRA Category 1 Credits.

6. Charters, Lynda. Navigating US immigration in the time of the coronavirus. <https://www.opthalmologytimes.com/view/navigating-us-immigration-in-time-of-coronavirus>. July 16, 2020.
7. Orbital fracture incidence up in US emergency departments. <https://www.newshealth.biz/health-news/orbital-fracture-incidence-up-in-us-emergency-departments> . August 14, 2020.
8. Assessing IOL options for cataract patients. <https://www.opthalmologytimes.com/view/assessing-iol-options-cataract-patients>, Ophthalmology Times. June 2021.
9. Diversity in ophthalmology and beyond: navigating inequities and overcoming the hurdles to a more diverse and inclusive field. <https://millenniaeye.com/articles/mar-apr-21/diversity-in-ophthalmology-and-beyond/>. Millennial Eye. March/April 2021 Issue.
10. Stuart, A. Improving Diversity, Equity, and Inclusion in Ophthalmology. <https://www.aao.org/eyenet/article/improving-diversity-equity-and-inclusion?september-2021>. Sept 2021.

Other Media [OM]

1. **Woreta F.** Eye Trauma. BMJ Best Practices <https://bestpractice.bmj.com/topics/en-us/961> Oct 2019.
2. Justin GA, Auran JD, Cho RC, DeMartelaere S, Rapuano C, **Woreta F.** Repair of the open globe. AAO course, 1 Self-Assessment AMA PRA Category 1 Credits, <https://www.aao.org/course/repair-of-the-open-globe>.

FUNDING

EXTRAMURAL Funding

Research funding

Current

- 8/2023-present. Trends in racial/ethnic and gender diversity in ophthalmology oral board examiners.
 Sponsor: American Board of Medical Specialties and American Board of Ophthalmology
 Direct costs: \$15,000
 Role: Principal Investigator, 1% effort
- 1/2023-12/2024 Molecular engineering of novel therapies to treat corneal neovascularization
 Sponsor: National Eye Institute, R21
 Role: Co-investigator, 2.5%

Previous

- 1/2021-1/2024 Real-time prescription benefit tools in the electronic health record: working towards greater value for prescribers and patients
 Sponsor: Donaghue Foundation, Greater Value Portfolio
 Direct costs: \$400,000
 Role: Principal Investigator, 10% effort
- 4/2022-3/2023 Vision Impairment, Social Factors, and Race/Ethnicity (VISOR Study) – The Impact of Disparities on Patients with Cataracts
 Sponsor: Kaiser Permanente and Johns Hopkins Medicine Research Collaboration
 Direct costs: \$75,000
 Role: Principal Investigator, 7.5% effort
- 1/2021-1/2022 A Novel Electronic Health Record-based Intervention for Reducing Falls in Older Adults
 Sponsor: Johns Hopkins University Discovery Award
 Direct Costs: \$75,000
 Role: Principal Investigator, 10% effort
- 6/2020-5/2021 Rates of cystoid macular edema after cataract surgery: an IRIS® registry analysis
 Sponsor: Research to Prevent Blindness/American Academy of Ophthalmology Award for IRIS® Registry Research

Direct Costs: \$10,000
Role: Principal Investigator, 5% effort
\$25,000 provided to the American Academy of Ophthalmology for database extraction

10/2020-9/2020 Clinical outcomes of intraocular lens fixation in the absence of capsular support: an IRIS registry analysis
Sponsor: H. Dunbar Hoskins Jr., MD, Center for Quality Eye Care IRIS® Registry Research Fund
Direct costs: \$5,000
Role: Co-Principal Investigator, 2.5% effort
\$30,000 provided to the American Academy of Ophthalmology for expenses related to data access and analysis

INTRAMURAL Funding

Research funding

Current

1/2024-present Endophthalmitis Prevention with Intracameral Antibiotics: Identification of Opportunities to Promote Broader Utilization Across Ophthalmology Subspecialties
Sponsor: Wilmer Pooled Professor Fund/Research to Prevent Blindness
Direct Costs: \$50,000, 0% effort
Role: Principal Investigator

Previous

12/2021-12/2022. The impact of social determinants of health on vision loss from cataracts and cataract surgery utilization in the U.S
Sponsor: Wilmer Pooled Professor Fund/Research to Prevent Blindness
Direct Costs: \$50,000, 0% effort
Role: Principal Investigator

10/2018-10/2019 An intervention to promote civility among resident consultants in the emergency department.
Sponsor: Institute in Excellence in Education Small Grant
Direct Costs: \$5,000, 0% effort
Role: Principal Investigator

12/2018-12/2019 The application of teleophthalmology in the diagnosis of ophthalmic emergencies among ophthalmology trainees.
Sponsor: Wilmer Pooled Professor Fund/Research to Prevent Blindness
Direct Costs: \$50,000, 0% effort
Role: Principal Investigator

Educational Funding

7/2019- 12/2020 Bridging the gap: the role of telemedicine in training future physicians.
Sponsor: Digital Education and Learning Technology Acceleration (DELTA) Grant
Direct Costs: \$75,000
Role: Principal Investigator, 0% effort

Systems Innovation or Quality Improvement Funding

Previous

9/2018-9/2019 Evaluating the utility of neuroimaging in eye-related emergency department visits.
Epic Faculty Scholars Program
Direct Costs: \$7,500
Role: Principal Investigator, 0% effort

- 11/2018-11/2019 Non-accidental trauma in pediatric patients: evidence-based guidelines for ophthalmologic examination.
Center for Clinical Data Analysis Core Coins Award for Natural Language Processing
Direct Costs: \$2,000
Role: Principal Investigator, 0% effort
- 5/2019-05/2020 Cornea Assistant Professor Research Grant
Direct Costs: \$35,000
Role: Principal Investigator, 5% effort

CLINICAL ACTIVITIES

Clinical Focus

I have established my clinical expertise in complex anterior segment pathology and ocular trauma and receive tertiary referrals from within Wilmer and the surrounding region in my East Baltimore and Columbia clinic locations. I also receive surgical referrals for complex cataracts, anterior segment reconstruction following trauma, secondary intraocular lens fixation, corneal transplantation techniques. I am the only cornea surgeon to perform corneal neurotization at Wilmer, a specialized surgery to restore corneal sensation to neurotrophic corneas.

Certification Medical, other state/government licensure

2011- 2013 Florida #ME109264
2013 - Present Maryland #D74786

Boards, other specialty certification

2013-present American Board of Ophthalmology

Clinical (Service) Responsibilities

2013- 2014 Assistant Chief of Service, Ophthalmology
2013-Present Surgical attending for resident anterior segment surgery, 1 day/week
2014-present Resident Clinic attending, 1 day/week

Clinical Productivity

2013-present 2.5 days of clinic/week, 1.5 days of surgery/week.
Current year average of 35 patients per clinic day and 8 surgical cases a week

Clinical Draw from outside local/regional area

2013-present 10% of patients come from other states such as DC, DE, GA, FL, MI, NC, SC, PA, VA, WVA, NY, NJ, TN, CA

Membership in or examiner for specialty board

2013-present Member, American Academy of Ophthalmology

Clinical Program Building/Leadership

2017-present As Director of the Wilmer Eye Trauma Center in the Johns Hopkins Hospital Emergency Department, my achievements are highlighted below:

- Revised criteria for eye trauma center designation by Maryland Institute for Emergency Medical Services Systems (MIEMS) and disseminated knowledge on how to meet these criteria with other ophthalmology programs across the U.S.
- Co-leads monthly quality improvement meetings with the Adult Emergency Department and quarterly meetings with the Pediatric Emergency Department
- In collaboration with the Adult ED, revised ED Triage nursing guidelines and contributed to development for the East Baltimore Guidelines for Eye Complaints
- With the Adult ED and anesthesiology leadership, helped to establish guidelines for preoperative work-up of patients in the ED undergoing emergency eye surgery

- Piloted a telemedicine project between Howard County Hospital and the Johns Hopkins Hospital Adult Emergency Department
- With the Vice Chair of Education, helped to secure funding and recruit a second physician assistant to work with residents on the consult service to improve the service-education balance and currently supervise both Physician Assistant's

Clinical Demonstration Activities to external audience, on or off campus

11/2019 Presented surgical techniques for scleral-suturing of intraocular lenses

Development of nationally/internationally recognized clinical standard of care

None

EDUCATIONAL ACTIVITIES

Educational Focus: My efforts are aimed at the surgical teaching of residents, teaching residents quality improvement and high-value care, and developing a formal educational curriculum for our department. Key accomplishments include:

- Serve as the primary surgical preceptor for anterior segment surgery for residents, staffing approximately 250 cataract and cornea surgeries with residents each year since joining faculty in 2013
- Working the anterior segment faculty, increased the average cataract surgery numbers in our program from low 100s to 200; increased cornea surgery volume in our program to above the 90th percentile
- Implemented techniques to minimize surgical complications among resident performed cataract surgeries at Wilmer and published experiences and guidelines nationally [OR] 11 and [OR] 19
- Developed cornea and cataract educational curriculum for residents
- Organized regional wet labs for residents for ophthalmic trauma, cataract surgery, and secondary intraocular lens implantation techniques
- Co-founder of Diversity Summer Scholars Program at Wilmer with support from division and department and current faculty-lead

Teaching

Classroom instruction

JHMI/Regional

2013, 2017	Lecturer, Johns Hopkins Hospital Emergency Department residents, "Eye emergencies"
2014	Wet-lab instructor, ophthalmology residents, Resident Cataract Surgery Course, Wilmer Eye Institute, Baltimore, MD
2014	Lecturer, Johns Hopkins Hospital pediatric residents, "Pediatric ophthalmic emergencies"
2014	Lecturer, ophthalmology residents, Resident Cataract Surgery Course, Wilmer Eye Institute "Capsulorhexis and hydrodissection", Baltimore, MD
2014, 2015	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Corneal degenerations and depositions", Baltimore, MD
2014, 2015	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Corneal dystrophies and ectasias", Baltimore, MD
2014, 2015	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Ocular surface tumors", Baltimore, MD
2015, 2017	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Introduction to corneal and external disease", Baltimore, MD
2016, 2018	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Infectious keratitis". Baltimore, MD
2014-2019	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Cataract surgery basics", Baltimore, MD
2014-2019	Lecturer, Johns Hopkins Hospital ophthalmology residents, "Ophthalmic Knowledge Assessment Program Review: Cornea and Cataract", Baltimore, MD
2015-present	Lecturer, Combined Internal Medicine-Urban Health Residency Program noon conference series, Johns Hopkins Hospital "Ophthalmic emergencies for the Internist", Baltimore, MD
2015-present	Lecturer, Eye Disease Epidemiology Course, Johns Hopkins Bloomberg School of Public Health

2016 “Epidemiology of Cataract”, Baltimore, MD
Lecturer, “Ocular manifestations of diabetes”, 8th annual Delnessa Negatu Ethiopian Diabetic & Kidney Foundation education event, Columbia, Maryland

2017 Course director and wet-lab instructor, Ocular trauma course, Wilmer Eye Institute, Baltimore, MD

2017 Wet-lab instructor, Student National Medical Association Regional VI Leadership Institute, Baltimore, MD

2017 Course director and wet-lab instructor, Ocular trauma course, Wilmer Eye Institute, Baltimore, MD

2017 Lecturer, Johns Hopkins Hospital ophthalmology residents, “Preoperative testing for cataract surgery”

2017 Lecturer, Howard County General Hospital Emergency Department Staff “Ophthalmic emergencies, approach to the slit-lamp examination, and the use of teleophthalmology in the Emergency Department”, Baltimore, MD

2017, 2018 Course co-director and wet-lab instructor, Advanced cataract surgery and minimally invasive glaucoma surgery course, Wilmer Eye Institute, Baltimore, MD

2017, 2018 Lecturer, ophthalmology residents in the region, “Management of mature cataracts”, Wilmer Eye Institute, Baltimore, MD

2017, 2018 Lecturer, ophthalmology residents in the region, “Sutured intraocular lenses”, Wilmer Eye Institute, Baltimore, MD

2018, 2020 Lecturer, Johns Hopkins Hospital ophthalmology residents, “Toxic and traumatic injuries of the anterior segment”, Baltimore, MD

2018, 2019 Wet-lab instructor, Cornea fellow training course, Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD

2019 Course co-director and wet-lab instructor, Small Incision Cataract Surgery, Wilmer Eye Institute

2019 Lecturer, ophthalmology residents in the region, “Small incision cataract surgery: indications and surgical videos of technique”, Baltimore, MD

2019 Lecturer, Johns Hopkins Hospital ophthalmology residents, “Management of corneal emergencies when on call”, Baltimore, MD

2019 Lecturer, Johns Hopkins Hospital ophthalmology residents, “Introduction to Corneal Imaging”, Baltimore, MD

2019 Course co-director and wet-lab instructor, Small Incision Cataract Surgery, Wilmer Eye Institute, Baltimore, MD

2020 Lecturer, Johns Hopkins Hospital ophthalmology residents, “Corneal Emergencies”, Baltimore, MD

2023 Lecturer, University of San Francisco ophthalmology residents, “Cataract Surgery in Corneal Disease: Pearls and Pitfalls”, San Francisco, CA.

2023 Lecturer, Johns Hopkins Internal Medicine Residents, “Triaging the Red Eye: A Primer for the Internist”.

National

2011 Lecturer, Bascom Eye Institute, University of Miami Leonard M. Miller School of Medicine ophthalmology residents, “Corneal Imaging”, Baltimore, MD

2019 Wet-lab instructor, 34th Triservice Ocular trauma skills laboratory course, Uniformed Services University of the Health Sciences, Bethesda, MD

2021 Wet-lab instructor, 36th Triservice Ocular trauma skills laboratory course, Uniformed Services University of the Health Sciences, Bethesda, MD

2021 Phacoemulsification wet lab. Women in Ophthalmology Annual Meeting, Amelia Island, FL.

Clinical instruction

2012 Surgical preceptor, Phacoemulsification and endothelial keratoplasty training, Addis Ababa, Ethiopia

2013-2014 Assistant Chief of Service, Wilmer Eye Institute (Inpatient/Outpatient clinic and surgery, Emergency Department). Conducted ward rounds 7 days per week for 1 year, primary, surgical attending for all trauma and resident cases, Baltimore, MD

2014-2020 Clinical Preceptor resident continuity clinic, Wilmer Eye Institute, Baltimore, MD, 1 day per week

2014-present Surgical Preceptor for residents, Wilmer Eye Institute, Baltimore, MD, one day per week

CME instruction
JHMI/Regional

- 2011 Lecturer, 70th Annual Wilmer Residents Association Meeting, “Three-year outcomes of the surgery for trichiasis, antibiotics to prevent recurrence trial”, Baltimore, MD
- 2014 Lecturer, 27th Annual Current Concepts of Ophthalmology, “Ocular surface squamous neoplasia: Update on management”, Baltimore, MD.
- 2017 Lecturer, 30th Annual Current Concepts of Ophthalmology, “Secondary fixation of intraocular lenses”, Baltimore, MD.
- 2017 Lecturer, 30th Annual Current Concepts of Ophthalmology, “Challenging cases in anterior segment”, Baltimore, MD.
- 2018 Lecturer, 31st Annual Current Concepts of Ophthalmology, “Scleral fixation of intraocular lenses”, Baltimore, MD.
- 2019 Lecturer, 32nd Current Concepts of Ophthalmology, “Anterior segment reconstruction and repair following trauma”, Baltimore, MD.
- 2020 Lecturer, 32nd Current Concepts of Ophthalmology, “Dropless Cataract Surgery”
- 2021 Lecturer, 32nd Current Concepts of Ophthalmology, “Preventing endophthalmitis after cataract surgery: An evidence-based approach”
- 2022 Lecturer, 32nd Current Concepts of Ophthalmology, “Corneal complications of cataract surgery”
- 2020 Lecturer, Adult Trauma Core Series, Johns Hopkins Hospital, “Ophthalmic trauma: evaluation and initial management”
- 2021 Lecturer, Wilmer Nursing Conference, “Ophthalmic trauma: evaluation and initial management”
- 2022 Lecturer, Wilmer Nursing Conference, “Ophthalmic trauma in the era of COVID-19”
- 2023 Lecturer, 33rd Current Concepts of Ophthalmology, “Preventing endophthalmitis after cataract Surgery: An evidence-based approach”

National

- 2011 Lecturer, Grand Rounds, Bascom Palmer Eye Institute, University of Miami Leonard M. Miller School of Medicine, “A case of conjunctival keratoacanthoma”, Miami, FL
- 2014 Infiltrates & Inflammatory Ulcers of the Cornea. Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO) Annual Continuing Education Program, Chicago, Illinois.
- 2016 Hyphema, lens, and other anterior segment related injuries. American Academy of Ophthalmology Annual Meeting, Ophthalmic Trauma Course. Chicago, IL.
- 2017 Hot Topics in Cornea and Anterior Segment, Cornea Symposium. National Medical Association Annual Meeting. Philadelphia, PA.
- 2018 Hot Topics in Cornea and Anterior Segment, Cornea Symposium. National Medical Association Annual Meeting. Tampa, FL.
- 2018 Wet-lab instructor, Descemet’s membrane endothelial keratoplasty skills-transfer course. American Academy of Ophthalmology Annual Meeting, Chicago, IL.
- 2019 Wet-lab instructor, Descemet’s membrane endothelial keratoplasty skills-transfer course. American Academy of Ophthalmology, San Francisco, CA.
- 2019 Hot-topics in Cornea and Anterior Segment. National Medical Association Annual Meeting, Honolulu, HI.
- 2019 Hyphema and Iris Injuries. Anterior Segment Trauma: Management for the on-call Ophthalmologist. American Academy of Ophthalmology Annual Meeting, San Francisco, CA.
- 2019 Anterior segment trauma. Ocular and ocular adnexal trauma: Principles, challenges, and enhancing outcomes symposium. American Academy of Ophthalmology Annual Meeting, San Francisco, CA.
- 2019 Post-operative complications following DMEK. American Academy of Ophthalmology Annual Meeting, San Francisco, CA.
- 2020 Hot Topics in Cornea and Anterior Segment, Cornea Symposium. National Medical Association Annual Meeting. Virtual meeting due to Covid-19.
- 2020 Iris Injuries. Anterior Segment Trauma: Management for the on-call ophthalmologist course. American Academy of Ophthalmology Annual Meeting, Virtual due to Covid-19.
- 2020 Iris Injuries. Ocular trauma: principles of management and reconstruction course. American Academy of Ophthalmology Annual Meeting, Virtual due to Covid-19.
- 2020 Post-operative complications following DMEK. American Academy of Ophthalmology Annual

	Meeting, Virtual Meeting due to Covid-19.
2020	Exposure keratopathy management strategies: a cornea perspective. Facial nerve palsy course. American Academy of Ophthalmology Annual Meeting, Virtual Meeting due to Covid-19.
2021	Iris Injuries. Ocular trauma: principles of management and reconstruction course. American Academy of Ophthalmology Annual Meeting, On-demand course.
2021	Post-operative complications following DMEK. American Academy of Ophthalmology Annual Meeting. New Orleans, LA.
2022	Iris Injuries. Ocular trauma: principles of management and reconstruction course. American Academy of Ophthalmology Annual Meeting, On-demand course.
2022	Post-operative complications following DMEK. American Academy of Ophthalmology Annual Meeting. Chicago, IL.
2022	“Call Coverage for Hospital Based Ocular Trauma”, Part of Instruction Course “Who’s On Call? Ophthalmic Hospitalists—A Better Way to Solve an Age-Old Problem”, American Academy of Ophthalmology Annual Meeting, Chicago, IL.
2022	“Global Ophthalmology in the U.S.”, Part of Instruction Course “Global Ophthalmology”, American Academy of Ophthalmology Annual Meeting, Chicago, IL.
2022	International Council of Ophthalmology Cornea and External Disease Review. Virtual Presentation.
2022	Association of University Professors of Ophthalmology Surgical Curriculum wet-lab instructor, Chicago, IL.

Workshops /seminars

JHMI/Regional

2019, 2020	“Why pursue a career in ophthalmology? An overview of the field and ophthalmic emergencies by subspecialty”, medical students at Johns Hopkins University School of Medicine, Baltimore, MD
2019, 2020	“Tips to successfully match in ophthalmology”, medical students at Johns Hopkins University School of Medicine, Baltimore, MD

National

2019	“Novel Approaches to Physician Wellness: No More “Feeling The Burn”, National Medical Association Symposium, moderator. American Academy of Ophthalmology Annual Meeting, San Francisco, CA.
2020	“Expanding ophthalmology access in the era of optometric scope expansion”, National Medical Association Symposium, moderator. American Academy of Ophthalmology Annual Meeting, Virtual due to Covid-19.

Mentoring

Pre-doctoral Advisees /Mentees

2017-2018	Xueyang (Sarah) Wang, Johns Hopkins medical student, current position ophthalmology resident at Massachusetts Eye and Ear, [OR] 12
2017-2018	Benjamin Lee, visiting medical student, current position ophthalmology resident at Louisiana State University, [CR] 6
2018	Michelle Colbert, Johns Hopkins University School of Medicine medical student, currently PGY-1 Internal Medicine Residency at Johns Hopkins Bayview Medical Center, American Academy of Ophthalmology Minority Ophthalmology Mentoring Program mentee
2017-2019	Oluseye Oduyale, Johns Hopkins medical student, current position general surgery resident at Washington University, [OR] 31
2019	Jennifer Drechsler, University of Maryland Medical student, currently ophthalmology intern at Mount Sinai/New York Eye and Ear
2017-2020	Xinyi (Cindy) Chen, undergraduate research assistant, Johns Hopkins medical student, current position PGY-1 resident at University of California San Francisco, Scholarly concentration faculty mentor, [OR] 11, 34
2018-2019	Shazia Dharssi, Johns Hopkins medical student, current position ophthalmology at Wilmer Eye Institute MD candidate, [OR] 39
2018-2019	Manjari Sriparna, Johns Hopkins undergraduate [OR 42], current position medical student at Virginia Commonwealth University
2018-2019	Niranjani Nagarajan, MPH student (Capstone Advisor), current position research fellow at

	University of Michigan
2018-2019	Rachel Siegel, MPH student (Capstone Advisor)
2018-2020	Nancy Zhang, Johns Hopkins undergraduate [OR] 42, current position medical student at Loyola Stritch School of Medicine
2018-2020	Stefanie Seo, Johns Hopkins undergraduate, current position Johns Hopkins medical student, [OR] 19
2018-2020	Ank Agarwal, Johns Hopkins undergraduate, current position medical student at Rutgers New Jersey Medical School
2019-2020	Derek Teng, Johns Hopkins medical student, Scholarly concentration faculty mentor
2019-2021	Zachary Eller, BS, Diversity Summer Scholar Student, current fourth year medical student at Howard University College of Medicine, presented his research at Association of University Professors of Ophthalmology and Rabb-Venable Research Program as part of National Medical Association Annual Convention and Scientific Assembly, OR [83]
2020-2021	Michael Fliotsos, Johns Hopkins medical student, [CR] 13, OR [43], current position PGY-1 Ophthalmology resident at Yale University School of Medicine
2019-2022	Samantha Massenzio, Johns Hopkins medical student, Scholarly concentration faculty mentor, winner of Stuart and Ellie Fine Ophthalmology Medical Student Research Prize in 2022, [OR] 26, 81
2020- present	Ugochi Aguwa, Johns Hopkins Medical Student Scholarly Concentration, Diversity Summer Scholar Student, current fourth year medical student at Johns Hopkins, won Stuart and Ellie Fine Award for Clinical Research in Ophthalmology, see publications [OR] 54, 68, 73, 80, [EL] 1,7
2020-present	Sarah Miller, Johns Hopkins medical student, Scholarly concentration faculty mentor
2020-present	Hursuong Vongsachang (Capstone Advisor), current PGY-1 ophthalmology resident at Massachusetts Eye and Ear [OR] 90
2020-present	Yesha Shah, current PGY-1 ophthalmology resident at Johns Hopkins Hospital, [OR] 42, 44, 55, 65 [RL] 1
2020-present	Johsias Maru, University of California San Francisco School of Medicine medical student, American Academy of Ophthalmology Minority Ophthalmology Mentoring Program mentee, 1 st place recipient Rabb Venable Excellence in Ophthalmology Research Program for medical students in 2021 [OR] [108]
2021-2022	Maylander Menard, medical student at Meharry Medical College, won 2nd place Rabb-Venable Excellence in Research Program for medical students in 2022 [OR] 69
2021-2022	Brittany Tsou, faculty mentor for research year, Dean's year recipient, current PGY-1 resident at Albany Medical Center [OR] 56, 83, 85
2021-present	Omer Elmadhi Saeed, third year medical student, Northwestern University Feinberg School of Medicine
2021-present	Dominique Williams, current PGY-1 ophthalmology resident at New York Eye and Ear Infirmary of Mount Sinai, American Academy of Ophthalmology Minority Ophthalmology Mentoring Program mentee
2021-present	Emily Sun, Johns Hopkins medical student, Scholarly concentration faculty mentor [OR] 102
2021-present	Emanuelle Rizk, Johns Hopkins medical student, Scholarly concentration faculty mentor
2021-present	Dana Huh, Johns Hopkins medical student, faculty mentor for research year
2022-present	Xi "Daisy" Dai, Dean's year recipient, Johns Hopkins medical student [OR] 99
2022-present	Grace Xiao, Johns Hopkins medical student [OR] 98
2022-present	Jane Huang, Johns Hopkins medical student, Scholarly concentration faculty mentor
2022-present	Shruti Anant, Johns Hopkins medical student, Scholarly concentration faculty mentor
2022-present	Chanon "Tam" Thanitcul, current PGY-1 ophthalmology resident at University of Michigan Kellogg Eye Center
2022-present	Shwetha Mudalegundi, Johns Hopkins medical student
2022-present	Khala Webb, Johns Hopkins Medical Student Scholarly Concentration, Diversity Summer Scholar Student
2022-present	Maya Holmes, third year medical student, Case Western Reserve School of Medicine
2023-current	McKenzie Gillison, currently first-year medical student at Morehouse School of Medicine, American Academy of Ophthalmology Minority Ophthalmology Mentoring Program mentee
2023-present	Rahel Imru, Johns Hopkins medical student, won best paper at Association of University Professors of Ophthalmology Medical student paper session, Feb 2024, Austin, TX.
2023-present	Aishah Ahmed, Johns Hopkins medical student, Scholar concentration faculty mentor, won best poster at Scholarly Concentration Research Symposium

Post-doctoral Advisees/Mentees

2015-2018	Tahreem Mir, MBBS, Johns Hopkins post-doctoral research fellow, worked with part-time, present position ophthalmology resident at Yale New Haven Hospital, [OR] 18, 37
2017-2018	Sezen Karakus, MD, Advanced Anterior Segment fellow, present position Assistant Professor of Ophthalmology at Wilmer Eye Institute
2017-2020	Mary Qiu, MD, ophthalmology resident at Wilmer Eye Institute, present position Assistant Professor of Ophthalmology at University of Chicago Medicine, [OR] 21
2015-2019	Inna Stroh, MD, ophthalmology resident at Wilmer Eye Institute, present position in private practice [OR] 42
2018-2019	Angela Zhu, MD, ophthalmology resident at Wilmer Eye Institute, present position pediatric corneal and external fellow, University of Toronto Hospital for Sick Children
2019-2021	Zara Ghous, visiting medical student, [OR] 22, medical student at Aga Khan University
2019-2020	Tracy Krick, MD, ophthalmology resident at Wilmer Eye Institute, present position cornea fellow at Cleveland Clinic Cole Eye Institute, awarded 2020 ASCRS Foundation Resident Excellence Award
2020-2021	Jiawei (Jenny) Zhao, Johns Hopkins post-doctoral research fellow
2018-present	Sidra Zafar, MBBS, Johns Hopkins post-doctoral research fellow, present position matched at Wilmer Eye Institute for ophthalmology residency [OR] 9-15, 17-19, 22, 26 [RL] 2
2019-present	Mustafa Iftikhar, Johns Hopkins post-doctoral research fellow, present position ophthalmology resident at Wilmer Eye Institute, 3 rd place winner of Mitchell Prize for Resident Research in 2021, [OR] 25, 32
2020-present	Leangelo Hall, MD, Wilmer Eye Institute ophthalmology resident, presented research at Rabb-Venable Research Program as part of National Medical Association Annual Convention and Scientific Assembly, see publication [OR] 25
2020-2022	Ariel Chen, ophthalmology resident at Wilmer Eye Institute, won 1 st place winner of Mitchell Prize for Resident Research in 2020, 1 st place winner at Virtual Resident Ophthalmic Trauma Competition, 2 nd place winner of Mitchell Prize for Resident Research in 2021, [OR] 46
2021-present	Anuoluwapo Sopeyin, ophthalmology resident at Wilmer Eye Institute, 1 st place recipient in Rabb-Venable Excellence in Ophthalmology Research Program for residents in 2021, recipient of Women in Ophthalmology Resident Scholarship in 2021, recipient of Copeland Ambassador Award in 2023
2021-present	Abdelhalim Awidi, MBBS, Johns Hopkins post-doctoral research fellow
2022-present	Adanna Udeh, MD, current cornea fellow at Cleveland Eye Clinic, won 3 rd place Rabb-Venable Excellence in Research Program for residents in 2022
2022-present	Muhammed Ali, MBBS, Johns Hopkins post-doctoral research fellow

Thesis committees None

Educational Program Building / Leadership

2014-2019	Cataract Surgery Division Educational Champion. Development and implementation of resident cataract surgery curriculum. Review of surgical performance with PGY-4 Ophthalmology residents.
2014-2019	Cornea Division Educational Champion
2014-2019	Associate Residency Program Director
2014-present	Faculty preceptor, Sight Savers Screenings
2014-present	Faculty preceptor, Medical Education Resource Initiative for Teens (MERIT) Summer Internship
2018-present	Minority in Ophthalmology Mentoring Program at American Academy of Ophthalmology Annual Meetings
2020-present	Institute for Excellence in Education Ambassador. Selected as IEE ambassador to represent my department, as a recognized departmental educational leader and role model
2020-present	Council representative of American Society of Ophthalmic Trauma to the American Academy of Ophthalmology
2020-present	Armstrong Institute Patient Safety and Quality Leadership Academy Scholar
2020-present	Minority in Ophthalmology Mentoring Data & Metric Subcommittee, member
2020-present	Association of University Professors of Ophthalmology Data Resource Committee, member

2020-present	Children's Vision Equity Coalition, National Medical Association representative to committee, Secretary
2021-2022	Leadership Development Program XXIII. Selected for program by American Academy of Ophthalmology as National Medical Association nominee.
2021-2022	Association of University Professors of Ophthalmology Leadership Development Program
2021-2022	American Academy of Ophthalmology Task Force on Disparities in Eye Care, member and co-chair of Workforce Diversity Task Force
2021-2022	Association of University Professors of Ophthalmology San Francisco Match Working Group
2021-2022	Basic and Clinical Science Course Update on General Medicine Committee
2021-present	American Academy of Ophthalmology, Committee for Resident Education Subcommittee Inclusion and Diversity Education, Co-Chair
2022-2024	Member-at-large, Program Director's Council, American University Professors of Ophthalmology
2024-present	President, Program Director's Council. American University Professors of Ophthalmology
2024-present	Chair, Diversity, Equity and Inclusion Committee of Cornea Society
2024-present	Chair, Women in Ophthalmology Academic Outreach Committee

Educational Demonstration Activities to external audiences, on or off campus None

RESEARCH ACTIVITIES

Research Focus

My research focuses on three main areas; medical education (surgical teaching of residents, reducing complication rates in resident performed cataract surgery, innovative ways to educate residents, workforce diversity), high-value care and quality improvement within ophthalmology, disparities in eye care, and ophthalmic trauma (epidemiology of eye trauma, quality outcomes in trauma). Within ophthalmic education, I have published on techniques to reduce complications when teaching cataract surgery to residents, factors associated with increased performance on the Ophthalmic Knowledge Assessment Program, trends in fellowship matches in ophthalmology, and the current state of diversity within ophthalmology. I have collaborated with colleagues both within Wilmer and at outside institutions to assess ways to improve diversity within our field, parental leave policies for trainees, and the delivery of emergency care by trainees. Within the field of ophthalmic trauma, I have established national and international research and clinical collaborations with our trauma center and published in the epidemiology of open globe injuries, hyphemas, and orbital fractures to help guide preventive efforts.

Research Program Building/Leadership None

Research Demonstration Activities to external audience, on or off campus None

Inventions, Patents, Copyrights None

Technology Transfer Activities None

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

As the Director of the Eye Trauma Center at Hopkins and ophthalmology residency program director, I am involved in quality improvement within our department. I serve as the departmental liaison for the JHH Clinical Quality Improvement Committee, department lead for the JHH High Value Committee, and attend the monthly Wilmer QI as well as Adult Emergency Department/Wilmer meetings. I have worked on numerous QI projects, including establishing criteria for ophthalmology examination in nonaccidental trauma patients (OR 26), reducing unnecessary preoperative testing in patients undergoing emergency eye surgeries, and contributing to triage guidelines for nurses as well as eye emergency guidelines in AgileMD.

System Innovation and Quality Improvement efforts within JHMI

2017-present	Director, Eye Trauma Center, Johns Hopkins Hospital, faculty mentor for medical students ophthalmology residents to develop quality improvement solutions for Eye Trauma Center, lead monthly QI meetings with Adult ED and quarterly with Pediatric ED
2020-2021	Scholar, Armstrong Institute Patient Safety and Quality Leadership Academy

2019-present Departmental representative JHH Clinical Quality Improvement Committee, participate in monthly meetings, present for department at hospital Management, Discussion, and Analysis Meetings

System Innovation and Quality Improvement efforts outside of JHMI None

System Innovation and Quality Improvement Program Building/Leadership

2017-present Director, Eye Trauma Center, I am building the QI program of the Eye Trauma Center for patients with eye emergencies presenting to the JHH ED.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2013-present	Member, Residency Program Evaluation Committee
2013-2019	Member, Residency Clinical Competency Committee
2014-present	Member, Ophthalmology Residency Selection Committee
2014-present	Member, Cornea Fellowship Selection Committee
2014-present	Member, Medical School Admissions Committee
2014-2019	Associate residency program director
2014-2019	Division Education Champion for Cornea Curriculum for Residents
2014-2019	Division Education Champion for Cataract Surgery Curriculum for Residents
2015	Wilmer Pooled Professor selection committee
2016-present	Ophthalmology Interest Group, Faculty Advisor
2018-2020	Institute for Excellence in Education abstract selection committee
2018-present	Committee Head, Ophthalmology Residency Selection Committee
2019	Institute for Excellence in Education Teaching Awards Selection Committees
2019- present	Institute for Excellence in Education Ambassador for the ophthalmology department
2019-present	Ophthalmology high-value lead, Johns Hopkins Health System High-Value Care Committee
2019-present	Ophthalmology faculty representative, JHH Clinical Quality Improvement Committee Meeting
2019-present	Residency Program Director
2019-present	Wilmer Quality Improvement committee, member
2020	Institute for Excellence in Education/Graduate Medical Education Virtual Recruitment Task Force
2020-2021	ACGME Institutional Self-Study Steering Committee
2020-2021	Graduate Medical Education Diversity Recruitment Subcommittee
2021-2023	Institute for Excellence in Education Abstract Committee Chair
2022-present	Associate Professor Promotions Committee, Johns Hopkins School of Medicine
2023-present	Institute for Excellence in Education, Managing Board Member

Journal peer review activities

2016-present	<i>American Journal of Ophthalmology Case Reports</i>
2019-present	<i>BMC Ophthalmology</i>
2019-present	<i>Acta Ophthalmologica</i>
2019-present	<i>Journal of Cataract and Refractive Surgery</i>
2020-present	<i>American Journal of Ophthalmology</i>
2020-present	<i>JAMA Ophthalmology</i>
2020-present	<i>Ophthalmology</i>
2020-present	<i>Cornea</i>
2020-present	<i>Clinical Ophthalmology</i>
2021-present	<i>Canadian Journal of Ophthalmology</i>

Editorial Board appointments

2021-present	<i>JAMA Ophthalmology</i>
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Other peer review activities

2019- 2023	Eyewiki Editorial Board Member
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Advisory Committees, Review Groups/Study Sections

None

Conference Organizer

JHMI/Regional None

National

2021 Inaugural American Society of Ophthalmic Trauma Annual Meeting. Virtual Meeting due to Covid-19

2022 American Society of Ophthalmic Trauma Annual Meeting. Virtual.

2023 American Society of Ophthalmic Trauma Annual Meeting. New York, NY

2023. National Medical Association Ophthalmology Meeting, New Orleans, LA

International

2020 Conference organizer, 1st Annual Virtual Residency Ophthalmic Trauma Competition, Virtual Meeting. Virtual Meeting due to Covid-19

Session chair

National

2017 Cornea Symposium. National Medical Association Annual Meeting. Philadelphia, PA.

2018 Cornea Symposium. National Medical Association Annual Meeting. Tampa, FL.

2019 Cornea Symposium. National Medical Association Annual Meeting, Honolulu, HI

2020 Cornea Symposium. National Medication Association Annual Meeting. Virtual Meeting.

2019 “Novel approaches to physician wellness-no morning feeling the burn.” National Medical Association Symposium at American Academy of Ophthalmology, San Francisco, CA.

2020 “Expanding ophthalmology access in the era of optometric scope expansion.” National Medical Association Symposium at American Academy of Ophthalmology Annual Meeting, Las Vegas, CA.

2021 Cornea Symposium. National Medical Association Annual Meeting. Virtual Meeting.

2021 International ophthalmology Symposium. National Medical Association Annual Meeting, Virtual Meeting.

2022 “Controversies in Ophthalmic Emergencies: An Evidence-Based Debate”, American Society of Ophthalmic Trauma American Academy of Ophthalmology Symposium, Chicago, IL.

2023 “Creating an Inclusive Learning Environment”, Association of University Professors of Ophthalmology Symposium at the American Academy of Ophthalmology Annual Meeting, Chicago, IL.

Consultantships

None

Professional Societies

2013-present Member, American Academy of Ophthalmology

2017-present Member, Association for Research in Vision and Ophthalmology

2017-present Member, Association of University Professors of Ophthalmology

2017-present Member, National Medical Association

2017-present Member, American Society of Cataract and Refractive Surgery

2018-present Member, Women in Ophthalmology

2019-present Secretary, National Medical Association

2020-present Maryland Society of Eye Physicians & Surgeons

2020-2021 Founding member and Vice-President, American Society of Ophthalmic Trauma

2020-present U.S. representative, Asia Pacific Ophthalmic Trauma Society

2020-present International Society of Refractive Surgery

2022-present Secretary, Maryland Society of Eye Physicians & Surgeons

2022-present President, American Society of Ophthalmic Trauma

2022-present Eye Bank Association of America R. Townley Paton Society, member

2022-present Cornea Society, member-with-thesis

RECOGNITION

Awards, Honors

2000-2002 Howard Hughes Medical Institute Research Fellowship Award

2002	High Honors in Cell Biology and Molecular Genetics
2002	Gemstone Honors Citation
2002	University Honors Citation
1998-2000	Dean's Scholarship
2002	Phi Beta Kappa
2002	Society of Ethiopians Established in the Diaspora (SEED) Award
2002-2007	Jack Kent Cooke Graduate Fellowship Award (full-tuition merit scholarship for M.D. and M.P.H.)
2007	Stephen Ryan Prize in Ophthalmology
2007	Alpha Omega Alpha Honor Society Member
2009	The W. Richard Green Housestaff Teaching Award
2010	Jennifer E. Thorne Research Grant Award
2010	Rabb-Venable Research Competition, National Medical Association Annual Convention & Scientific Assembly, 1 st place for oral presentation
2011	Mitchell Research Prize, \$5,000 Award, Wilmer Residents Association
2011	The Trachoma Research Grant Award
2011	Association for Research in Vision and Ophthalmology Minority Research Travel Fellowship
2011	Greater Baltimore Medical Center Resident Teaching Award
2011	Heed Fellowship Recipient
2015	Wilmer Resident Surgical Teaching Award
2016	Wilmer Resident Advocate Award
2017	Wilmer Resident Advocate Award
2018	Wilmer Resident Advocate Award
2019	Wilmer Resident Advocate Award
2019	William Baumgartner, MD, Physician of the Year, Award
2020	Wilmer Residency Appreciation Award
2020	Highest number of publications award, Assistant Professor Level, Wilmer Eye Institute, Johns Hopkins
2021	Women in Ophthalmology Educators Award
2021	Most Promising Assistant Professor Award, Wilmer Eye Institute
2021	Teaching Award, Institute for Excellence in Education , Johns Hopkins University School of Medicine
2021	American Academy of Ophthalmology Achievement Award
2023	Ophthalmologist of the Year Award, Real World Ophthalmology
2023	Straatsma Award for Excellence in Resident Education
2024.	Castile Connolly Top Doctor

Invited Talks

JHMI/regional

2012	“International eye-banking” 71 st Annual Wilmer Residents Association Meeting, Baltimore, MD.
2013	“Ocular manifestations of systemic disease”. 5 th Global Ethiopian Diaspora Conference on health care and education. Arlington, VA.
2014	Lecturer, 73 rd Annual Wilmer Residents Association Meeting, “Ocular surface tumors: diagnosis and management”, Baltimore, MD.
2019	“Ocular emergencies for the internist”. 11 th Global Ethiopian Diaspora Conference on health care and education. Arlington, VA.
2019	“Pediatric eye trauma”, Trauma Continuing Education Conferences for Johns Hopkins Hospital, Baltimore, MD.
2019	“Descemet’s membrane endothelial keratoplasty outcomes for trainees” Endothelial Keratoplasty Symposium. Wilmer Eye Institute, Baltimore, MD.
2019	“What’s new in cataract surgery: an update for the optometrist”. 12 th Annual Wilmer Eye Institute Evidence-based care optometry conference. Wilmer Eye Institute, Baltimore, MD.
2019	“Pediatric Eye Trauma”. Meritus Medical Center Trauma Update. Hagerstown, MD.
2019	“Ocular Trauma and Emergencies”. Peninsula Regional Medical Center Trauma Conference. Salisbury, MD.

- 2019 “Eye emergencies”. 36th Annual Wilmer Nursing Conference. Baltimore, MD
- 2020 “Approach to the Red Eye for Internists”, Grand Rounds, Medstar Health. Virtual presentation.
- 2020 “Triaging the Red Eye: A Primer for the Internist”, Grand Rounds, Johns Hopkins Internal Medicine Department. Virtual presentation.
- 2023 “Triaging Ophthalmic Trauma”, 16th Annual Evidence Based Care Optometry Conference, Baltimore, MD.

National

- 2016 “LASIK and surface ablation in corneal dystrophies”. Don’t Laser that Cornea Symposium. American Society for Cataract and Refractive Surgery Annual Meeting, New Orleans, LA.
- 2020 “Extension of training during residency”. 53rd Annual Association of University Professors of Ophthalmology Educating the Educators Meeting, Rancho Mirage, CA.
- 2020 “Best Strategies for Resident Remediation” 53rd Annual Association of University Professors of Ophthalmology Educating the Educators Meeting, Rancho Mirage, CA.
- 2020 The inaugural American Society of Ophthalmic Trauma and Wills Eye Chief Rounds, Invited speaker. Virtual presentation.
- 2020 “Rabb-Venable Junior Faculty Alumni Panel”, underrepresented minority medical students participating in Rabb-Venable Program of the National Medical Association, Virtual due to Covid 19.
- 2021 “Research opportunities for under-represented in medicine students”, Minority ophthalmology mentoring program session entitled Research opportunities: finding a needle in the haystack.
- 2021 Guidance with Gurus: “Under-represented in Medicine”, Association of University Professors of Ophthalmology Educating the Educators Program. Virtual presentation.
- 2021 “Wellness and communication for residents in the era of COVID-19”, Association of University Professors of Ophthalmology Educating the Educators Program, Deep Dive Covid 19/Advancement of Academic Ophthalmology. Virtual presentation.
- 2021 “Rabb-Venable Fireside Chat Series Application Workshop, underrepresented minority medical participating in Rabb-Venable Program of the National Medical Association, Virtual presentation.
- 2021 “Interview Capping in the 2020-21 Ophthalmology Residency Application Cycle”, Council of Residency Education in Obstetrics and Gynecology Innovations in Residency Selection Forum Council of Residency Education in Obstetrics and Gynecology, Virtual presentation.
- 2021 “Assessment and management of open globe injuries”. Ocular Trauma Course, Uniformed Services University of the Health Sciences, Bethesda, MD.
- 2021 “Complex repair of open globe injuries”. Ocular Trauma Course, Uniformed Services University of the Health Sciences, Bethesda, MD.
- 2021 “Scleral-fixated intraocular lenses”. Ocular Trauma Course, Uniformed Services University of the Health Sciences, Bethesda, MD.
- 2021 “Imaging in open globe injuries”, American Society of Ophthalmic Trauma Inaugural meeting, Virtual presentation.
- 2021 “Unconscious bias in the selection process”, Association of University Professors of Ophthalmology Webinar, Virtual presentation.
- 2021 “Building your niche in academic medicine”, Women in Ophthalmology Annual Meeting, Amelia Island, FL
- 2021 “Addressing Health Inequities and Social Determinants of Health: An Ophthalmologist’s Perspective”, Grand rounds speaker, Bascom Palmer Eye Institute, Virtual lecture.
- 2021 “Towards achieving health equity: Social determinants of health in Ophthalmology”, Keynote lecturer, Society of Military Ophthalmologists Annual Meeting, Virtual.
- 2022 “Holistic Review Strategies: Moving towards a more diverse and equitable workforce”, Association of University Professors of Ophthalmology Educating the Educators Meeting, Fort Lauderdale, FL.
- 2022 “Preventing Endophthalmitis in Modern Day Cataract Surgery: An Evidence-Based Approach”, Charles Kelman Lecturer, 11th Annual Snowmass Retina & Eye, Aspen, CO.
- 2022 “Cataract surgery in complex eyes”, 11th Annual Snowmass Retina & Eye, Aspen, CO.
- 2022 “Ten Hot Topics and Innovations in Modern Day Cataract Surgery”, 11th Annual Snowmass Retina & Eye, Aspen, CO.

- 2022 “Innovations in Residency Selection Forum: Application and Interview Capping”, Council of Residency Education in Obstetrics and Gynecology Innovations in Residency Selection Forum. Virtual Presentation.
- 2022 “Cataract surgery after corneal trauma”, American Society of Cataract and Refractive Surgery Annual Meeting, Washington DC.
- 2022 “Enhancing Diversity in the Ophthalmology Workforce”, Maryland Society of Eye Physicians & Surgeons Annual Meeting, Baltimore, MD.
- 2022 “Enhancing Diversity in the Ophthalmology Workforce”, Grand rounds speaker, Columbia University Department of Ophthalmology, Virtual Presentation.
- 2022 “Task Force on Disparities in Eye Care”, American Academy of Ophthalmology’s Mid-Year Forum, Washington DC.
- 2022 “Minority Ophthalmology Mentoring Program-Practical Tips for Advancing DEI at your program: medical student to faculty pipelines”. Association of University Professors of Ophthalmology Webinar. Virtual Presentation.
- 2022 “Enhancing Diversity in the Ophthalmology Workforce”, Grand rounds speaker, Weill Cornell Ophthalmology, New York, NY.
- 2022 “Addressing Health Inequities and Social Determinants of Health: An Ophthalmologist’s Perspective”, Grand rounds speaker, Casey Eye Institute and Devers Eye Institute Collaborative. Virtual presentation.
- 2022 “Disparities in Vision Health in the US”, Global Ophthalmology Summit, Park City, UT.
- 2022 “Intraocular lens fixation in the absence of capsular support”, National Medical Association Annual Meeting, Atlanta, GA.
- 2022 “Management of Neurotrophic Keratopathy: Cenegermin versus Oxervate”, Women in Ophthalmology, Monterey, CA.
- 2022 “Interview Caps-Creative Options for Improving the Selection Process”, Association of American Medical Colleges/Organization of Program Directors Association Webinar. Virtual Presentation.
- 2022 “Corneal complications of cataract surgery”, World Cornea Congress VII, Chicago, IL.
- 2022 “Diversity, Equity and Inclusion in Cornea”, Cornea Subspecialty Day, American Academy of Ophthalmology Annual Meeting, Chicago, IL.
- 2022 “Maximizing Your Productivity”, National Medical Association Ophthalmology Section Symposium, “The Sky is the Limit: Achieving Your Career Potential in Ophthalmology by Learning from Successes and Failures”, American Academy of Ophthalmology Meeting, Chicago, IL.
- 2022 “Overuse in Ophthalmology”, Architecture High Value Healthcare National Conference, Baltimore, MD.
- 2022 “Diversity in Ophthalmology Residency Training: Are We There Yet”, New England Ophthalmological Society Meeting, Boston, MA.
- 2022 “LGBTQ2S+ Issues in Ophthalmology: Working Towards Equity”, Panelist, Canadian Equity, Diversity and Inclusion Webinar. Virtual Presentation.
- 2022 “Interview Caps: Ophthalmology’s Approach”, Learn Serve Lead 2022 Association of American Colleges Annual Meeting. Nashville, TN.
- 2023 “Holistic Review Strategies: Moving Towards a More Diverse and Equitable Workforce”, Association of University Professors of Ophthalmology Educating the Educators Meeting, San Diego, CA.
- 2023 “Addressing Health Inequities and Social Determinants of Health: An Ophthalmologist’s Perspective”, Washington Academy of Eye Physicians & Surgeons Monthly Scientific Meeting, Seattle, WA.
- 2023 “Cataract Surgery in Patients with Corneal Disease: Pearls and Pitfalls for the Comprehensive Ophthalmologist”, Washington Academy of Eye Physicians & Surgeons Monthly Scientific Meeting, Seattle, WA.
- 2023 “Towards achieving health equity: Addressing social determinants of health in ophthalmology”, The Ernest K. Goodner Lecturer, University of California San Francisco, San Francisco, CA.
- 2023 “Addressing Health Inequities and Social Determinants of Health: An Ophthalmologist’s Perspective”, Diversity and Inclusion Speakership, Loyola University Chicago. Virtual presentation.
- 2023 “Enhancing workforce diversity in ophthalmology: an educator’s perspective”, Lecturer, RUSH University.
- 2024 “Principles and Successes in Quality Improvement”, Association of University Professors of Ophthalmology, Austin, TX.

International

- 2010 “Rapidly progressive proptosis: A case of pediatric orbital rhabdomyosarcoma”
Lecturer, Grand Rounds, Aravind Eye Institute, Madurai, India.
- 2012 “Diagnosis and management of ocular surface squamous neoplasia”, 9th Annual
Ophthalmological Society of Ethiopia Conference, Bishoftu, Ethiopia.
- 2012 “Surgical technique for removal of limbal dermoids”, 9th Annual Ophthalmological Society of
Ethiopia Conference, Bishoftu, Ethiopia.
- 2018 “Sports-related eye injuries”. Asia-Pacific Academy of Ophthalmology Congress. Hong Kong.
- 2019 “Preferred practice patterns in ophthalmic trauma”. World Congress of Ocular Trauma. New
Delhi, India.
- 2019 “The utility of computed tomography in the diagnosis and management of open globe injuries”.
World Congress of Ocular Trauma, New Delhi, India.
- 2020 “Anterior segment reconstruction following trauma”. 5th Asia Pacific Ophthalmic Trauma
Society Meeting. Bali, Indonesia.
- 2020 “Anterior segment repair and reconstruction following trauma”, Invited Grand Rounds,
Goutami Eye Institute, Rajahmundry, India. Virtual meeting.
- 2020 “Ophthalmic trauma in the era of covid-19”. International Trauma Webinar by the Asia Pacific
Ophthalmic Trauma Society. Virtual meeting due to Covid-19.
- 2020 “How Covid-19 has impacted our academic mission”. World Association of Eye Hospitals
Webinar. Virtual Meeting due to Covid-19.
- 2020 “Ocular surface reconstruction in chemical injuries”. World Congress Ophthalmology 2020
Virtual Meeting due to Covid-19.
- 2020 “Preferred practice patterns in ophthalmic trauma”. Second International Silver Jubilee
Symposium
Ocular Trauma Society of India. Virtual Meeting due to Covid-19.
- 2020 “Scleral-sutured intraocular lenses”. International Society of Refractive Surgery. Virtual Meeting
due to Covid-19.
- 2020 “Approach to the red eye”. Asociación Colombiana Médica Estudiantil (ACOME)&LAUGHH
Academy.
- 2020 “Ocular trauma: principles of management and reconstruction”, Oxford University. Virtual
presentation.
- 2020 “Update on atypical keratitis”, International Webinar on Updates on Fungal and Atypical
Corneal Infections, Virtual presentation.
- 2021 “Atypical keratitis in contact lens wearer”, All India Ophthalmological Society, Virtual presentation.
- 2022 “American Society of Ophthalmic Trauma & American Academy of Ophthalmology Initiatives on
Trauma”, World Ophthalmology Congress, Virtual presentation.
- 2023 “International Trends in Eye Banking”, 38th Asia-Pacific Academy of Ophthalmology Congress,
Kuala Lumpur, MY.
- 2023 “Prevention of endophthalmitis after cataract surgery”, 38th Asia-Pacific Academy of
Ophthalmology Congress, Kuala Lumpur, MY.
- 2023 “Controversies in ophthalmic trauma”, International Society of Ophthalmology Trauma, Cartagena,
CO.

OTHER PROFESSIONAL ACCOMPLISHMENTS

Philanthropic Activities

- 2012 Himalayan Cataract Project volunteer, Addis Ababa, Ethiopia

Professional Development Courses

- 2015 Direct Observation for Clinical Learning and Assessment with Dr. Rachel Levine, Wilmer Eye
Institute
- 2016 Introduction to Curriculum Development Workshop, Johns Hopkins Faculty Development
Program, Johns Hopkins University School of Medicine
- 2016 Working with Struggling Learners with Dr. Rachel Levine, Wilmer Eye Institute
- 2018 Feedback Strategies using a Couch Approach with Dr. Rachel Levine, Wilmer Eye Institute
Residency Retreat

- 2019 Curriculum Development Practicum (15 sessions of individualized mentoring for a curricular project) with Dr. Belinda Chen, Johns Hopkins Faculty Development Program, Johns Hopkins University School of Medicine
- 2019 Institute for Excellence in Education Conference, Johns Hopkins University School of Medicine
- 2019 Foundations of Educational Scholarship, Johns Hopkins University School of Medicine
- 2020 Armstrong Institute Patient Safety and Quality Leadership Academy (nine month coursework and project)

Contributions to Diversity and Inclusion

As ophthalmology residency program director, I have made local and national contributions to promote diversity and inclusion in our field. Examples include:

Individual mentoring URiM medical students and residents (see advisee/mentee section:

Oluseye Oduyale, MD, Zachary Eller, Ugochi Aguwa, Leangelo Hall, Anuoluwapo Sopeyin, Maylander Menard, Omer Elmadhi Saeed, Adanna Udeh, MD, Khala Webb, Maya Holmes, Rahel Imru

Minority Ophthalmology Mentoring Program (MOM)

The MOM program is a partnership between the American Academy of Ophthalmology and the Association of University Professors of Ophthalmology, with the purpose being to increase diversity in ophthalmology by helping underrepresented in medicine (URiM) students become competitive ophthalmology residency applicants. I have served as a mentor since 2018 to the following students (see advisee/mentee section): Michelle Colbert MD, Jennifer Dreschler MD, Johsias Maru, Dominique Williams, McKenzie Gillison.

Ophthalmology residency program director

As residency program director and head of the residency selection committee, I created a subset of the committee for diversity including our Vice Chair of Education and increased diversity in our residency program significantly. I was a co-founder of the Diversity Summer Scholars Program (now the Wilmer Summer Scholars Program), a program that provides research opportunities for first generation college, financially disadvantaged, or students without a home ophthalmology program. I am active in the recruitment and mentoring of the scholars. I served as a member of the Graduate Medical Education Diversity Recruitment Subcommittee formed to increase diversity and inclusion at an institutional level.

National committees

As chair of the National Medical Association (NMA) Ophthalmology section, the nation's oldest and largest organization representing African American physicians and health professionals, cornea moderator for the NMA Annual Convention and Scientific Assembly from 2016-2021, organizer and moderating for the NMA Symposium at the American Academy of Ophthalmology Annual Meeting from 2019-2021, I have been an advocate for diversity within our field at a national level. I am also have been a member of the Minority Ophthalmology Mentoring Data & Metrics Subcommittee since 2020, a group created to formally assess success of this program for faculty and URiM students. From 2021-22, I served as co-chair for the Workforce Diversity subtask force of the American Academy Disparities in Eye Care Task Force. From 2022-23, I was selected by the American University Professors of Ophthalmology Program Director's Council subgroup to participate in the ACGME Equity Matters Initiative. Since 2022, I have served as co-chair of the DEI subcommittee for the AAO Committee for Resident Education.