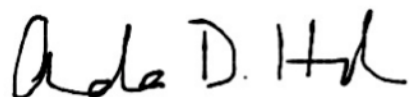


CURRICULUM VITAE
The Johns Hopkins University School of Medicine



Amanda D. Henderson

12/20/2022

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

University

2016-present Assistant Professor, Ophthalmology, Johns Hopkins University School of Medicine
2018-present Adjunct Assistant Professor, Ophthalmology, University of Maryland
2020-present Assistant Professor, Neurology, Johns Hopkins University School of Medicine

Hospital

2016-present Attending Physician, Wilmer Eye Institute, Johns Hopkins Hospital

Personal Data

600 N. Wolfe Street, Wilmer 233
Baltimore, MD 21287
(770) 315-9032 (Cell)
(410) 614-9240 (Fax)
ahende24@jhmi.edu

Education and Training

Undergraduate

2006 B.S., Neuroscience and Behavioral Biology, Emory University/Atlanta, GA, Spanish Minor
Studied abroad at Veritas University, Costa Rica, and St. Andrews University, Scotland

Doctoral/Graduate

2011 M.D., Emory University/Atlanta, GA, *Cum Laude*

Postdoctoral

2012 Internship in Internal Medicine, Medical College of Georgia/Augusta, GA
2015 Residency in Ophthalmology, Medical College of Georgia/Augusta, GA, Chief Resident
2016 Fellowship in Neuro-Ophthalmology, Bascom Palmer Eye Institute/Miami, FL

Professional Experience

2019-present Director, Neuro-Ophthalmology Fellowship Program, Wilmer Eye Institute, Johns Hopkins University School of Medicine, Baltimore, MD
2020-present Associate Director, Ophthalmology Residency Program, Wilmer Eye Institute, Johns Hopkins University School of Medicine, Baltimore, MD
2021-present Chief, Division of Neuro-Ophthalmology, Wilmer Eye Institute, Johns Hopkins University School of Medicine, Baltimore, MD

PUBLICATIONS

Original Research [OR]

- Toffoli D, Bruce BB, Lamirel C, **Henderson AD**, Newman NJ, Biousse V. Feasibility and Quality of Non-Mydriatic Fundus Photographs in Children. *JAAPOS*. 2011 Dec; 5(6): 567-72.
I performed data collection for this study by taking fundus photographs of children in the pediatric ophthalmology clinic.
- Henderson AD**, Biousse V, Newman NJ, Lamirel C, Wright DW, Bruce BB. Grade III or grade IV hypertensive retinopathy with severely elevated blood pressure. *West J Emerg Med*. 2012 Dec; 13(6): 529-34.
- Monsalve P, Triolo G, Toft-Nielsen J, Bohorquez J, **Henderson A**, Delgado R, Miskiel E, Ozdamar E, Feuer W, Porciatti V. Next generation PERG method: expanding the response dynamic range and capturing response adaptation. *Transl Vis Sci Technol*. 2017 May 22;6(3):5. doi: 10.1167/tvst.6.3.5.
I recruited patients with optic neuropathy from the clinic for participation in this study, and I participated in review of the manuscript.

4. Monsalve P, Ren S, Triolo G, Vazquez L, **Henderson AD**, Kostic M, Gordon P, Feuer W, Porciatti V. Steady-state PERG adaptation: a conspicuous component of response variability with clinical significance. *Documenta Ophthalmologica*. 2018 Jun;136(3):157-164.
I recruited patients with optic neuropathy from the clinic for participation in this study, and I participated in review of the manuscript.
5. **Henderson AD**, Jiang H, Wang J. Characterization of retinal microvasculature in acute non-arteritic anterior ischemic optic neuropathy using the retinal functional imager: A prospective case series. *Eye Vis (Lond)*. 2019 Jan 6;6:3.
6. Wang Y, Mettu P, Broadbent T, Radke P, Firl, K, Shepherd III J, Couch S, Nguyen A, **Henderson A**, McCulley T, Mokhtarzadeh A, Lee M, Garrity J. Thyroid Eye Disease Presenting with Superior Rectus/Levator Complex Enlargement. *Orbit*. 2020 Feb;39(1):5-12. doi: 10.1080/01676830.2019.1594969.
I contributed to data collection, as well as critical review and revision of the manuscript.
7. Gruener A, Poostchi A, Carey AR, **Henderson AD**, Chang J, McCulley TJ. Association of Giant Cell Arteritis with Race. *JAMA Ophth*. 2019 Aug 8. doi: 10.1001/jamaophthalmol.2019.2919.
I performed data collection and critical review and revision of the manuscript.
8. Guo Y, Mehrabian Z, Johnson MA, Miller NR, **Henderson AD**, Hamlyn J, Bernstein SA. Biomarkers of lesion severity in a rodent model of nonarteritic anterior ischemic optic neuropathy (rNAION). *PLoS One*. 2021 Mar 25;16(3):e0243186. doi: 10.1371/journal.pone.0243186.
I contributed to study design, data interpretation, and critical review and revision of the manuscript.
9. Solyman O, Ahmad M, Arora K, **Henderson AD**, Carey A. Stereoscopic Three-Dimensional (3D) Slit Lamp Photography Using a Compact 3D Digital Camera. *Indian J Ophthalmol*. 2021 May;69(5):1303-1305. doi: 10.4103/ijo.IJO_2037_20.
I performed patient recruitment for this study, as well as manuscript drafting and critical revision.
10. Ahmad M, Chen H-C, Chang JR, Hodgson N, McDonnell EC, **Henderson AD**, Siadati S, Eberhart CG, McCulley TJ. Tarsal Epithelial Cysts: Prevalence, Case Series and Meta-analysis. *Ophthalmic Plast Reconstr Surg*. 2021 May-Jun 01;37(3):255-261. doi: 10.1097/IOP.0000000000001795.
I performed critical review and revision of the manuscript.
11. Mehrabian Z, Guo Y, Miller NR, **Henderson AD**, Roth S, Bernstein SL. Approaches to Potentiated Neuroprotective Treatment in the Rodent Model of Ischemic Optic Neuropathy. *Cells*. 2021 Jun 9;10(6):1440. doi: 10.3390/cells10061440.
I contributed to study design, data interpretation, and critical review and revision of the manuscript.
12. Carey AR, Bosley TM, Miller NR, McCulley TJ, **Henderson AD**. Use of en face optical coherence tomography to monitor papilledema in idiopathic intracranial hypertension: A pilot study. *J Neuroophthal*. 2021 Jun 1;41(2):212-216. doi: 10.1097/WNO.0000000000000940.
13. Alrobaian MA, **Henderson AD**. Neuro-Ophthalmic Manifestations of Acute Leukemia. *J Neuroophthalmol*. 2021 Dec 1;41(4):e584-e590. doi: 10.1097/WNO.0000000000001071.
14. Shah Y, **Henderson AD**, Carey AR. Effect of Initial Prednisone Dosing on Ocular Myasthenia Gravis Control. *J Neuroophthalmol*. 2021 Dec 1;41(4):e622-e626. doi: 10.1097/WNO.0000000000001058.
I contributed to study design, data interpretation, and critical review and revision of the manuscript.
15. **Henderson AD**, Tian J, Carey AR. Neuro-Ophthalmic Manifestations of Sarcoidosis. *J Neuroophthalmol*. 2021 Dec 1;41(4):e591-e597. doi: 10.1097/WNO.0000000000001108.
16. **Henderson AD**, Ventura CV, Huisman TAGM, Meodad A, Hazin AN, van der Linden V, Calheiros N, May WN. Characterization of visual pathway abnormalities in children with congenital Zika syndrome using computed tomography and magnetic resonance imaging. *J Neuroophthalmol*. 2021 Dec: 1;41(4):e598-e605. doi: 10.1097/WNO.0000000000001127.
17. Chen JJ, Sotirchos ES, **Henderson AD**, Vasileiou ES, Flanagan EP, Bhatti MT, Jamali S, Eggenberger ER, Dinome M, Frohman LP, Arnold AC, Bonelli L, Seleme N, Mejia-Vergara AJ, Moss HE, Padungkiatsagul T, Stiebel-Kalish H, Lotan I, Hellmann MA, Hodge D, Oertel FC, Paul F, Saidha S, Calabresi PA, Pittock SJ. OCT retinal nerve fiber layer thickness differentiates acute optic neuritis from MOG antibody-associated disease and Multiple Sclerosis: RNFL thickening in acute optic neuritis from MOGAD vs MS. *Mult Scler Relat Disord*. 2022 Jan 11;58:103525. doi: 10.1016/j.msard.2022.103525.
I contributed to data collection for this study and participated in critical review and revision of the manuscript.
18. Solyman O, Abushanab MMI, Carey AR, **Henderson AD**. Pilot Study of Smartphone Infrared Pupillography and Pupilometry. *Clinical Ophthalmology*. 2022;16:303–310.
19. Shen A, Gruener AM, Carey AR, **Henderson AD**, Poostchi A, McCulley TJ, Chang JR. Effect of temporal artery biopsy length and laterality on diagnostic yield. *J Neuroophthalmol*. 2022 Jun 1;42(2):208-211. doi: 10.1097/WNO.0000000000001535.
I contributed to data collection and participated in critical review and revision of the manuscript.

20. Chen JJ, Huda S, Hacohen Y, Levy M, Lotan I, Wilf-Yarkoni A, Stiebel-Kalish H, Hellmann MA, Sotirchos ES, **Henderson AD**, Pittock SJ, Bhatti MT, Eggenberger ER, Di Nome M, Kim HJ, Kim S-H, Saiz A, Paul F, Dale RC, Ramanathan S, Palace J, Camera V, Leite MI, Lam BL, Bennett JL, Mariotto S, Hodge D, Audoin B, Maillart E, Deschamps R, Pique J, Flanagan EP, Marignier R. International Multicenter Retrospective Study on Maintenance Intravenous Immunoglobulin in Preventing Relapse in Adult MOG Antibody-Associated Disease. *JAMA Neurology*. 2022 Apr 4. doi: 10.1001/jamaneurol.2022.0489.
I contributed to data collection and participated in critical review and revision of the manuscript.
21. Chen JJ, Flanagan EP, Bhatti MT, Tisavipat N, Jamali S, Kunchok A, Eggenberger ER, Nome MD, Sotirchos ES, Vasileiou ES, **Henderson AD**, Arnold AC, Bonelli L, Seleme N, Mejia-Vergara AJ, Moss HE, Padungkiatsagul T, Stiebel-Kalish H, Lotan I, Wilf-Yarkoni A, Hellmann MA, Vuppala A, Hodge D, Pittock SJ. Details and outcomes of a large cohort of MOG-IgG associated optic neuritis. *Mult Scler Relat Disord*. 2022 Oct 10;68:104237. doi: 10.1016/j.msard.2022.104237. Epub ahead of print.
I contributed to data collection and participated in critical review and revision of the manuscript.

Review Articles [RA]

1. Bruce BB, **Dean AL**, Biousse V, Newman NJ. Neurologic and ophthalmic manifestations of fetal alcohol syndrome. *Rev Neurol Dis*. 2009 Winter; 6(1): 13-20.
I performed data collection/ article review for this report.
2. **Henderson AD**, Bruce BB, Newman NJ, Biousse V. Hypertension-related eye abnormalities and the risk of stroke. *Rev Neurol Dis*. 2011; 8(1-2): 1-9.
3. **Henderson AD**, Miller NR. Carotid-cavernous fistula: current concepts in aetiology, investigation, and management. *Eye (Lond)*. 2018 Feb;32(2):164-172.
4. **Carper MG**, **Henderson AD**. Updated Review of Leber Hereditary Optic Neuropathy. *Curr Treat Options Neurol*. 2022. 24(9), 441-452. doi: 10.1007/s11940-022-00729-0.
*Invited review

Case Reports [CR]

1. **Henderson AD**, Thomas DA. A case report of orbital inflammatory syndrome secondary to ipilimumab. *Ophthalm Plast Reconstr Surg*. 2014 May 8. 31(3):e68-70.
2. **Henderson AD**, Ramulu PY, Lawler JF. Teaching NeuroImages: Thermal imaging in Horner syndrome. *Neurology*. 2019 Sep 24;93(13):e1324-e1325.
3. **Alrobaian MA**, Vizcaino MA, **Henderson AD**. Acute sixth nerve palsy and retinal hemorrhages as the presenting features of acute lymphoblastic leukemia. *J Neuroophthalmol*. 2021 Mar 1;41(1):e131-e133. doi: 10.1097/WNO.0000000000000920
4. Cai S, **Yordi SF**, **Henderson AD**. Homonymous Hemianopia with Normal Magnetic Resonance Imaging. *JAMA Ophthalmol*. 2020 Jun 1;138(6):702-703. doi: 10.1001/jamaophthalmol.2020.0447.
5. **Solyman O**, Vizcaino MA, Fu R, **Henderson AD**. Neurosarcoidosis masquerading as giant cell arteritis with incidental meningioma. *J Neuroophthalmol*. 2021 Mar 1;41(1):e122-e124. doi: 10.1097/WNO.0000000000000967.
6. Ahmad M, Carey AR, Eberhart CG, Siadati S, **Henderson AD**. Peripheral Retinal Vascular Leakage in Giant Cell Arteritis: A Case Report. *J Ophthalmic Inflamm Infect*. 2021 Jan 29;11(1):5. doi: 10.1186/s12348-021-00235-5.
7. Chidobem IJ, **Alrobaian MA**, Wang Y, Vizcaino MA, Saidha S, **Henderson AD**. Recurrent optic neuritis associated with sarcoma. *J Neuroophthalmol*. 2021 Apr 26. doi: 10.1097/WNO.0000000000001268. [Epub ahead of print]
8. Jensen A, Hodgson NM, Parikh R, Eberhart CG, **Henderson AD**, Fu R. Orbital Inflammation in the Setting of a Nylon Foil Implant. *Orbit*. 2022 Dec;41(6):759-762. doi: 10.1080/01676830.2021.1918725.
I performed data collection (via clinical involvement in the case) for this report, as well as critical review and revision of the manuscript.

Book Chapters, Monographs [BC]

1. **Henderson AD**. Non-arteritic anterior ischemic optic neuropathy. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 7-16.
2. **Henderson AD**. Radiation-induced optic neuropathy. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 17-24.
3. **Henderson AD**. Optic neuritis. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 25-39.

4. McDonnell EC, **Henderson AD**. Leukemic infiltration of the optic nerve. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 65-72.
5. Jeyaseelan P, **Henderson AD**. Sixth nerve palsy. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 129-138.
6. Kim P, **Henderson AD**. Fourth nerve palsy. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 139-146.
7. **Henderson AD**. Sarcoidosis. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 273-280.
8. **Henderson AD**, Carey AR. Introduction. In: Henderson AD, Carey AR, eds. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Switzerland: Springer International Publishing; 2021, 3-4.

Books, Textbooks [BK]

1. **Henderson AD**, Carey AR. *Controversies in Neuro-Ophthalmic Management: An Evidence and Case-Based Appraisal*. Springer International Publishing; 2021.

Invited Editorials [ED]

1. Gibbons A, **Henderson AD**. Non-Arteritic Anterior Ischemic Optic Neuropathy: Challenges for the Future. *Front Ophthalmol*. 15 March 2022. <https://doi.org/10.3389/fopht.2022.848710>.

Guidelines/Protocols, Consensus Statement, Expert Opinion, Consortium Articles [GL] None

Published Curricula, Learner Assessment Tools, Educational Evaluations, Assessment/Evaluation Instruments

1. Wrote/compiled the Self-Test questions for: BCSC Basic and Clinical Science Course 2021-2022. Section 5: Neuro-Ophthalmology. Eds. Bhatti MT, Chen JJ, Danesh-Meyer HV, Levin LA, Moss HE, Phillips PH, Van Stavern GP, Williams ZR.

Peer-Reviewed Online Publications [PROP]

1. Shah Y, **Henderson AD**. Inferior Orbital Fissure. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6x69ffk>. March 26, 2021.
2. Shah Y, **Henderson AD**. Optic Chiasm. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6sv3jqf>. March 26, 2021.
3. Shah Y, **Henderson AD**. Visual Maturation. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6m67b90>. March 26, 2021.
4. Patel A, **Henderson AD**. Bony Anatomy of the Orbit. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6sz27db>. April 14, 2021.
5. Patel A, **Henderson AD**. Physiology of the Uvea. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/details?id=1670306>. April 15, 2021.
6. Patel A, **Henderson AD**. Physiology of Intraocular Pressure. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6p32t3s>. April 15, 2021.
7. Zhao D, **Henderson AD**. Visual Fields. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/ark:/87278/s6yer4ph>. May 17, 2022.
8. Zhao D, **Henderson AD**. OCT Angiography. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/ark:/87278/s6cr5vd9>. May 17, 2022.
9. Elnour K, **Henderson AD**. Radiation Optic Neuropathy. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/ark:/87278/s6reeeee>. September 6, 2022.
10. Elnour K, **Henderson AD**. Neuro-Ophthalmic Manifestations and Complications from Uveitis. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/ark:/87278/s6jtchw4>. September 6, 2022.
11. Gibbons A, **Henderson AD**. John Cunningham Virus (JCV). Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/ark:/87278/s6yte2dz>. September 6, 2022.
12. Mudalegundi S, **Henderson AD**. Vogt-Koyanagi-Harada Syndrome. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/details?id=2019512>. October 25, 2022.
13. Elnour K, **Henderson AD**. Neuro-ophthalmic Manifestations and Complications from Uveitis. Video. [NOVEL]. 2022. Available at: <https://collections.lib.utah.edu/details?id=1932271>. October 25, 2022.

Letters, Correspondence [LT]

1. **Henderson AD**, Morcos JJ, Fischer OG, Lam BL, Pasol J. Invasive aspergillosis mimicking sphenoid wing meningioma. *J Neuroophthal.* 2017 Mar;37(1):105-106.
2. Burke SP, **Henderson AD**, Lam BL. Central retinal artery occlusion and cerebral infarction following stem cell injection for baldness. *J Neuroophthal.* 2017 Jun;37(2):216-217. doi: 10.1097/WNO.0000000000000475.
I performed critical evaluation and editing of manuscript for this report.
3. **Henderson AD**, Miller NR. Reply to 'Comment on: Carotid-cavernous fistula: current concept in aetiology, investigation and management'. *Eye (Lond).* 2018 Oct;32(10):1676.
4. **Henderson AD**, Ramulu PY, Lawler JF. Author response: Teaching NeuroImages: Thermal imaging in Horner syndrome. *Disputes & Debates: Rapid online correspondence.* 2019 October 09.

Media Releases or Interviews [MR]

1. Sellers FS. I looked down, saw two left hands and four feet, closed one eye and keeled over. *The Washington Post.* Health Science Section. 2017 Oct 8.
2. Targeting the Neurology of Vision. *Wilmer Eye Institute Annual Report 2016.*
3. Maintaining Momentum in NAION Research. *Wilmer Eye Institute Annual Report 2019.*
4. Sotirchos ES, Henderson AD. Optic Neuritis: When is it just ON and when does it mean more? *Siegel Rare Neuroimmune Association, Ask the Expert Podcast Series.* 12 December 2019. (Podcast)
5. *Professionals in Health Podcast Series (PIHPS).* Lambda Epsilon Mu at Johns Hopkins University. Nonsurgical Neuro-Ophthalmologist—Amanda D. Henderson, MD. 27 March 2020. (Podcast)
6. Guarino B, Sellers FS. Scientists begin to unravel the mysteries of the coronavirus and brains. *The Washington Post.* Health Section. 2021 Jun 7.

FUNDING

INTRAMURAL FUNDING

Research Intramural Funding

Current None

Pending None

Previous

7/1/20-6/30/21 Faculty Development Award
P30AI094189
Johns Hopkins University Center for AIDS Research (CFAR) Developmental Core
\$50,000 (total grant support)
Principal Investigator- Kate Fitzgerald
Role: Co-Principal Investigator

Educational Intramural Funding

Current

10/1/20-present Associate Residency Program Director
Department of Ophthalmology, Wilmer
15% Salary Support
Role: Associate Residency Program Director, 15% effort

Pending

None

Previous

7/25/16-7/30/22 Division Education Champion
Department of Ophthalmology, Wilmer
\$8,500 (\$2500 + \$6000 bonus eligible annually- achieved)
Role: Division Education Champion for Neuro-Ophthalmology, 10% effort

7/1/17-6/30/20 Helen Iliff Scholar Endowed Grant
Department of Ophthalmology, Wilmer
20% Salary Support

EXTRAMURAL FUNDING

Research Extramural Funding

Current

7/1/22-6/30/25 Research to Prevent Blindness/Lions Clubs International Foundation Low Vision Research Award
Scan path adaptation in acute vision loss

\$300,000
Principal Investigator: Gislin Dagnelie
Role: Co-Investigator
None

Pending
Previous

7/1/18-12/30/21 Investigation of Nonarteritic Anterior Ischemic Optic Neuropathy
Hillside Foundation
Total direct cost: \$263,389
Role: Co-Investigator, 20% Effort

CLINICAL ACTIVITIES

Clinical Focus

I devote 60% effort to clinical duties, including two full days weekly of neuro-ophthalmology clinic (main Hopkins Wilmer location and Columbia satellite), where my practice has a regional, national, and international referral base. I offer a botulinum toxin-specific clinic one-half day weekly, during which I provide procedural treatment for facial movement disorders (blepharospasm and hemifacial spasm). I spend one-half day weekly in the Patient Access Center for the Eye, (Wilmer's resident clinic). I am the Chief of the Wilmer Neuro-Ophthalmology Division. My annual relative value units, as a measure of clinical productivity, are well above the mean for non-surgical ophthalmologists.

Certification

Medical, other state/government licensure

2016-present State of Maryland Medical License, Active, D0081830
2015-2017 State of Florida Medical License, 2015-2017, *Inactive*

Boards, other specialty certification

2017-present Ophthalmology, Board Certification, American Board of Ophthalmology

Clinical (Service) Responsibilities

2016-2018 Attending physician, Patient care/4 full days weekly, Neuro-ophthalmology
2018- present Attending physician, Patient care/3 full days weekly, Neuro-ophthalmology

Clinical Productivity

2016-2018 From FY2017-FY2018, my clinical effort was 80%. During FY2018, my first full year of clinical practice, I completed 2,618 clinical visits and, my RVU total was 6,938.
2018-present From FY2019-FY2022 (excluding FY2020 due to the effect of COVID-19), my clinical effort was 60%, and I averaged 2,169 clinical visits per year. For the same time period, I averaged 5,610 RVUs annually. For comparison, a recent nationwide survey of neuro-ophthalmologists in 2016 showed non-surgical ophthalmology-trained neuro-ophthalmologists had a mean annual RVU of 5,108, placing me well above the mean among my peers in clinical productivity, despite my extensive non-clinical activity in the areas of education, research, and administration. I have built my facial movement disorders (eg, blepharospasm, hemifacial spasm) practice since starting at Wilmer and, in FY2022, I performed 261 botulinum toxin injection (eg, Botox) procedures for treatment of these conditions.

Clinical Draw from Outside Local/Regional Area

7/2016-7/2022 2,372/12,844 patients (for whom data were available) came from other states, including AL, AK, AZ, CA, CT, DE, DC, FL, GA, HI, ID, IL, IN, IA, KS, KY, LA, ME, MA, MI, MS, MO, NV, NJ, NY, NC, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VT, VI, VA, WA, WV, and WI
123/12,967 patients came from other countries, including Bangladesh, Bermuda, Canada, Costa Rica, Ecuador, Ghana, Greece, Guatemala, India, Indonesia, Kuwait, Mexico, Mongolia, New Zealand, Nigeria, Panama, Peru, Poland, Portugal, Puerto Rico, Qatar, Saudi Arabia, Switzerland, Turkmenistan, United Arab Emirates, United Kingdom, and Vietnam

Membership in or Examiner for Specialty Board None

Clinical Program Building / Leadership

2021-present Chief, Division of Neuro-Ophthalmology, Wilmer
2021-present Long Range Planning Committee (member), Wilmer
2021-present Finance Committee (member), Wilmer, 2021-present

Clinical Demonstration Activities to External Audience, On or Off Campus None
Development of Nationally/Internationally Recognized Clinical Standard of Care None

EDUCATIONAL ACTIVITIES

Educational Focus

I hold several education-focused leadership positions, within Hopkins and on the national and international levels. At Wilmer, I am the Division Education Champion and Fellowship Director for Neuro-Ophthalmology, and Associate Ophthalmology Residency Program Director. I chair/serve on multiple education committees at Wilmer and within the Department of Neurology, where I hold a secondary appointment. I am a member and the incoming Chair (starting December 2022) of the American Academy of Ophthalmology (AAO)'s Resident Self-Assessment Committee, for which I consistently write questions for learning tools. I have been a Section Editor for two educational curricula for the North American Neuro-Ophthalmology Society.

Teaching

Classroom instruction

JHMI/Regional

- 2013 Lecturer, Ophthalmology Residents, Annual Retina Lectures, Medical College of Georgia; Lectured on retinal vascular disease and choroidal disease
- 2013 Lecturer, Ophthalmology Residents, Introduction to Ophthalmology, Medical College of Georgia; Lectured on Orbital Anatomy and Neuro-Ophthalmic Emergencies to new ophthalmology residents
- 2013 Lecturer, Residents in Ophthalmology, Oral and Maxillofacial Surgery, Otolaryngology, and Plastic Surgery, Craniomaxillofacial Conference, Medical College of Georgia; Lectured on Cicatricial entropion repair
- 2014 Coordinator/Lecturer, Ophthalmology Residents, Introduction to Ophthalmology, Medical College of Georgia; Planned topics and schedule for a week-long introductory course for new ophthalmology residents, coordinated faculty and senior resident involvement, and lectured on Orbital Anatomy and Neuro-Ophthalmic Emergencies
- 2014 Lecturer, Ophthalmology Residents, Annual Retina Lectures, Medical College of Georgia; Lectured on retinal vascular disease and choroidal disease
- 2015 Lecturer, Ophthalmology Residents, Annual Retina Lectures, Medical College of Georgia; Lectured on retinal vascular disease and choroidal disease
- 2015 Lecturer, Ophthalmology Residents, Retinal Imaging Conferences, Medical College of Georgia; Lectured for four hour-long sessions on retinal imaging
- 2015 Lecturer, Ophthalmology Residents, Neuroimaging for Ophthalmologists, Bascom Palmer Eye Institute
- 2016 Lecturer, Ophthalmology Residents, Neuro-Ophthalmology OKAP Review, Bascom Palmer Eye Institute
- 2016 Coordinator/Lecturer, Ophthalmology Residents, Curriculum in Neuro-Ophthalmology, Wilmer Eye Institute; Planned topics, coordinated Neuro-Ophthalmology faculty involvement, lectured, and facilitated case discussions at 5 3-hour sessions throughout the academic year
- 2017 Coordinator/Lecturer, Ophthalmology Residents, Curriculum in Neuro-Ophthalmology, Wilmer Eye Institute; Planned topics, coordinated Neuro-Ophthalmology faculty involvement, lectured, and facilitated case discussions at 5 3-hour sessions throughout the academic year
- 2017 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered Ophthalmologic Case Discussions
- 2018 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered two 1-hour lectures (Introduction to retinal processing; Visual streaming, cortical processing)
- 2018 Teacher, Medical Student Practical Session, Johns Hopkins University School of Medicine; Led practical session
- 2018 Coordinator/Lecturer, Ophthalmology Residents, Curriculum in Neuro-Ophthalmology, Wilmer Eye Institute; Planned topics, coordinated Neuro-Ophthalmology faculty involvement, lectured, and facilitated case discussions at 5 3-hour sessions throughout the academic year
- 2019 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered 1-hour lecture (Visual streaming, cortical processing)
- 2019 Teacher, Medical Student Practical Session, Johns Hopkins University School of Medicine; Led practical session
- 2019 Coordinator/Lecturer, Ophthalmology Residents, Curriculum in Neuro-Ophthalmology, Wilmer Eye Institute; Planned topics, coordinated Neuro-Ophthalmology faculty involvement, lectured, and facilitated case discussions at 5 3-hour sessions throughout the academic year
- 2020 Coordinator/Lecturer, Ophthalmology Residents, Curriculum in Neuro-Ophthalmology, Wilmer Eye Institute; Planned topics, coordinated Neuro-Ophthalmology faculty involvement, lectured, and facilitated case discussions at 4 3-hour sessions throughout the academic year

- 2020 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered one recorded 1-hour lecture (Visual streaming, cortical processing)
- 2021 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered two recorded lectures (Introduction to retinal processing; Visual streaming, cortical processing)
- 2022 Lecturer, Medical Students, Nervous System and Special Senses Course, Johns Hopkins University School of Medicine; Delivered previously recorded lectures (Introduction to retinal processing; Visual streaming, cortical processing)

National None

International None

Clinical instruction

JHMI/Regional

- 2016-present Clinical instruction, Neuro-Ophthalmology Fellows, 1-2 days per week in clinic at Wilmer
- 2016-present Clinical instruction, Ophthalmology Residents, 1 day per week in clinic at Wilmer
- 2016-present Clinical instruction, Medical Students, as needed, in clinic at Wilmer
- 2017-present Volunteer Clinical Preceptor for summer internship portion of the MERIT Health Leadership Academy for high school students in Baltimore City Public Schools (no students in 2020 or 2021 due to COVID)
- 2019-present Clinical instruction, Optometry residents, 1 day per week in clinic at Wilmer
- 2019 Clinical instruction, Neurosurgery Residents, during neuro-ophthalmology rotation, in clinic at Wilmer
- 2020-present Clinical instruction, Neurology Residents, during neuro-ophthalmology rotation, in clinic at Wilmer
- 2021-present Director, Wilmer Neuro-Ophthalmology Clinical Rotation for Medical Students
- 2021-present Director, Wilmer Neuro-Ophthalmology Clinical Rotation for PGY-1 Ophthalmology Residents
- 2022-present Clinical instruction, Headache Fellow, designed and implemented a two-week clinical rotation at Wilmer
- 2022-present Clinical instruction, Sports Neurology Fellow, occasional clinical experience at Wilmer

National None

International None

CME instruction

JHMI/Regional

- 9/24/12 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Optic neuritis
- 2/18/13 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Functional visual loss
- 6/7/13 Lecturer, Ophthalmology Alumni, Faculty, and Residents, Resident Alumni Meeting, Medical College of Georgia; Presentation of research: Evaluation of exophthalmometry measurement as a possible risk factor for the undercorrection of ptosis
- 8/26/13 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Keratoconus
- 12/2/13 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Ethambutol toxicity affecting the optic chiasm
- 6/27/14 Lecturer, Ophthalmology Alumni, Faculty, and Residents, Resident Alumni Meeting, Medical College of Georgia; Presentation of research: Evaluation of exophthalmometry measurement as a possible risk factor for the undercorrection of ptosis
- 7/21/14 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Sebaceous cell carcinoma of the eyelid
- 2/16/15 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of quality improvement project: Postoperative intraocular antibiotic administration to prevent endophthalmitis
- 4/20/15 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Medical College of Georgia; Presentation of case: Choroideremia
- 6/26/15 Lecturer, Ophthalmology Alumni, Faculty, and Residents, Resident Alumni Meeting, Medical College of Georgia; Presentation of research: Evaluation of the effect of frontal projection measurement on the outcome of ptosis repair
- 10/29/15 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Bascom Palmer Eye Institute; Presentation of case: Thinking outside the box
- 4/21/16 Lecturer, Ophthalmology Faculty and Residents, Ophthalmology Grand Rounds, Bascom Palmer Eye Institute; Presentation of case: Masquerade

- 6/18/16 Lecturer, Ophthalmology Alumni, Faculty, and Residents, Residents' Days, Bascom Palmer Eye Institute; Presentation of research: Characterization of retinal function, microstructure, and microvasculature in acute non-arteritic anterior ischemic optic neuropathy
- 9/1/17 Lecturer; Ophthalmologists, Optometrists, and Neurologists; Neuro-ophthalmology for the Clinician: A Practical Approach, Johns Hopkins University; Lecture: Update on myasthenia gravis
- 9/1/17 Lecturer; Ophthalmologists, Optometrists, and Neurologists; Neuro-ophthalmology for the Clinician: A Practical Approach, Johns Hopkins University; Lecture: Light-near dissociation
- 9/1/17 Lecturer; Ophthalmologists, Optometrists, and Neurologists; Neuro-ophthalmology for the Clinician: A Practical Approach, Johns Hopkins University; Lecture: Acute retrobulbar optic neuropathies
- 9/1/17 Lecturer; Ophthalmologists, Optometrists, and Neurologists; Neuro-ophthalmology for the Clinician: A Practical Approach, Johns Hopkins University; Lecture: Acute anterior optic neuropathies
- 9/1/17 Lecturer; Ophthalmologists, Optometrists, and Neurologists; Neuro-ophthalmology for the Clinician: A Practical Approach, Johns Hopkins University; Lecture: Anisocoria

National

- 2/28/16 Lecturer, Neuro-Ophthalmologists, Walsh Session at NANOS Annual Meeting, Starr Pass Resort/Tucson, AZ; Presentation of case: Masquerade
- 10/30/18 Senior Instructor, Ophthalmologists, Controversies in Neuro-Ophthalmic Management, American Academy of Ophthalmology Annual Meeting, Chicago, IL; Panel Discussion
- 10/13/19 Senior Instructor, Ophthalmologists, Controversies in Neuro-Ophthalmic Management, American Academy of Ophthalmology Annual Meeting, San Francisco, CA; Panel Discussion
- 11/28/20 Senior Instructor, Ophthalmologists, Controversies in Neuro-Ophthalmic Management, American Academy of Ophthalmology Virtual Annual Meeting
- 11/13/21 Senior Instructor, Ophthalmologists, Controversies in Neuro-Ophthalmic Management, American Academy of Ophthalmology Annual Meeting, New Orleans, LA (Virtual presentation)
- 10/1/22 Senior Instructor, Ophthalmologists, Controversies in Neuro-Ophthalmic Management, American Academy of Ophthalmology Annual Meeting, Chicago, IL

International

See Invited Talks

Workshops/seminars None

Mentoring

Pre-doctoral Advisees /Mentees

- 2019-present Sari Yordi, M.D., Post-Doctoral Fellow, Cole Eye Institute
Shared scholarship: CR#4
Dr. Yordi contributed the following publications to the NANOS Illustrated Curriculum Section 1, for which I am the Section Editor, under my mentorship:
1. Yordi S. Ocular Surface, Cornea, & Lens. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6fn6z90>. March 29, 2021.
 2. Yordi S. Aqueous and Vitreous Humor. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6p61gpx>. March 29, 2021.
 3. Yordi S. Lacrimal Pathways. Video. [NOVEL]. 2021. Available at: <https://collections.lib.utah.edu/ark:/87278/s6p61gpx>. June 9, 2021.
- 2021-present Aakash Patel, Medical Student, Medical College of Georgia.
Shared scholarship: PROP#4-6, PTR#34, 37
- 2021-present Alison Gibbons, Medical Student, Johns Hopkins University School of Medicine
Shared scholarship: ED#1, PROP#11
- 2022-present David Zhao, Medical Student, Johns Hopkins University School of Medicine
Shared scholarship: PROP#7-8
- 2022-present Khawla Elnour, Medical Student, Howard University College of Medicine
Diversity Summer Scholar at Wilmer
Shared scholarship: PROP#9-10

Post-doctoral Advisees /Mentees

- 2017-2020 Angeline Nguyen, M.D., Pediatric Ophthalmologist, University of Southern California
Shared scholarship: OR#6, PTR#8, 11
*PTR#11 won award for Top 10 Presentations at the meeting.
- 2017-present Amrita-Amanda Vuppala, M.D., Neuro-Ophthalmologist, Medical College of Wisconsin
- 2018-present Malek Alrobaian, M.D., Ophthalmologist/Neuro-Ophthalmologist, Saudi Arabia

2018-present Shared scholarship: OR#13, CR#3, 7, PTR#14, 18
 Omar Solyman, M.D., Neuro-Ophthalmologist/Pediatric Ophthalmologist, Egypt
 Shared Scholarship: OR#9, 18, CR#5, PTR#15, 24, 35
 2019-present Praveen Jeyaseelan, M.B.B.S., Neuro-Ophthalmologist/Pediatric Ophthalmologist, West Virginia University
 Shared scholarship: BC#5
 2021-present Michael Carper, M.D., Neuro-Ophthalmology Fellow, Wilmer Eye Institute
 Shared scholarship: RA#4, PTR#33

Thesis committees None

Educational Program Building / Leadership

7/16-present Division Education Champion for Neuro-Ophthalmology/10% effort, Ophthalmology Residency Curriculum in Neuro-Ophthalmology
 7/16-present Residency Program Evaluation Committee, Wilmer Eye Institute
 10/19-present Fellowship Director in Neuro-Ophthalmology, Wilmer Eye Institute
 7/19-present Ophthalmology Residency Clinical Competency Committee, Wilmer Eye Institute
 2020-present Chair of Clinical Competency Committee
 7/19-6/20 Organizer of Neuro-Ophthalmology Rotation for Neurosurgery Residents
 7/19-present Preceptor/Organizer for Neuro-Ophthalmology Rotation for the Optometry Residency Program in Ocular Disease at the Baltimore VA
 10/20-present Associate Residency Program Director in Ophthalmology/15% effort, Wilmer Eye Institute
 7/20-present Section Editor, Section 1: Anatomy and Physiology for the Neuro-Ophthalmologist. North American Neuro-Ophthalmology Society (NANOS) Illustrated Curriculum. Published in STAT!Ref.
 7/20-present Wilmer Residency Selection Committee Member
 7/21-present Section Editor, Section 8: Diagnostic Tests. North American Neuro-Ophthalmology Society (NANOS) Neuro-Ophthalmology Techniques of Examination (NOTE) for Non-Neuro-Ophthalmologists Curriculum. Karl Golnik, Editor. Published 2021 in STAT!Ref (<https://online.statref.com/> [login required]).
 1/22-present Neuro-Ophthalmology Fellowship Clinical Competency Committee, Wilmer Eye Institute, Chair
 1/22-present Neuro-Otology Fellowship Clinical Competency Committee, John Hopkins University, Department of Neurology, Member
 1/22-present Neuro-Ophthalmology Fellowship Program Evaluation Committee, Wilmer Eye Institute, Chair
 1/22-present Neuro-Otology Fellowship Program Evaluation Committee, John Hopkins University, Department of Neurology, Member
 5/22-present Sponsor/mentor for Diversity Summer Scholars Program at Wilmer Eye, which provides financial and mentoring support for medical students from underrepresented in medicine groups for summer research at Wilmer.

Educational Demonstration Activities to External Audiences None

RESEARCH ACTIVITIES

Research Focus

As my laboratory research focus, I collaborate with a group of physicians and scientists investigating potential neuroprotective and neuroregenerative treatments for non-arteritic anterior ischemic optic neuropathy (NAION), which is the most common cause of acute optic nerve-related vision loss in people over age 55 and has no known treatment. Using rodent and non-human primate models of this condition, previously developed in the same laboratory, we have evaluated both individual agents and synergistic combinations with neuroprotective and/or neuroregenerative potential, using various drug delivery methods, including systemic, intravitreal, and dendrimer nanotechnology. Additionally, we have identified useful biomarkers in our model.

Research Program Building / Leadership None

Research Demonstration Activities to external audience None

Inventions, Patents, Copyrights None

Technology Transfer Activities

12/21/2020

Smartphone Pupillographer, JHU Reference #C16680

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

In the past, I have focused on improving patient outcomes after cataract surgery. During my residency, I led an initiative to implement the evidence-based use of intracameral antibiotics routinely after cataract surgery, a practice that was adopted by the cataract surgeons at the institution as a result of my work.

System Innovation and Quality Improvement efforts within JHMI None

System Innovation and Quality Improvement efforts outside of JHMI

2015 Residency Quality Improvement Project; Initiation of postoperative intraocular antibiotic administration to prevent endophthalmitis, Medical College of Georgia, All cataract surgeons started using intracameral antibiotic routinely at the end of cataract surgery

System Innovation and Quality Improvement Program Building/Leadership None

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2017-2018 Committee member, Search committee for Neuro-Ophthalmologist
2018 Chair, Search committee for Optometrist for Neuro-Ophthalmology Division
2021-present Chief, Neuro-Ophthalmology Division, Wilmer Eye Institute
2021-22 Chair, Search committee for Neuro-Ophthalmologist
2021-22 Chair, Search committee for Optometrist for Neuro-Ophthalmology Division

Editorial Activities

Editorial Board appointments

2020-present Editorial Board member, *Ophthalmology Times*
2021-present Editorial Board member, Neuro-Ophthalmology Disorders, specialty section of *Frontiers in Ophthalmology*

Journal peer review activities

2017-present BioMed Central Ophthalmology Ad hoc Reviewer
2017-present PLOS ONE Ad hoc Reviewer
2017-present *American Journal of Ophthalmology* Ad hoc Reviewer
2019-present *BMJ Case Reports* Ad hoc Reviewer
2019-present *touchOPHTHALMOLOGY* Ad hoc Reviewer
2020-present *Pediatric Neurology* Ad hoc Reviewer
2020-present *Neuroophthalmology* Ad hoc Reviewer
2020-present *Pituitary* Ad hoc Reviewer
2020-present Hindawi Ad hoc Reviewer
2021-present *BMC Ophthalmology* Ad hoc Reviewer

Advisory Committees, Review Groups/Study Sections

2017-present Investigator, Pediatric Eye Disease Investigator Group (PEDIG)
2020-present Blepharospasm Expert Panelist, Dystonia Coalition
2022 Session Moderator, Abstract Committee Member, The 2022 Institute for Excellence in Education (IEE) Education Conference and Celebration
2022 Session Moderator, 80th Wilmer Residents' Association (WRA) Clinical Meeting

Professional Societies

2010-2011 Member in Training- Student, The Association for Research in Vision and Ophthalmology
2012-2016 Member in Training, American Academy of Ophthalmology
2016 Regular Member, The Association for Research in Vision and Ophthalmology
2017, 2020 Member, SCHNOPS Neuro-Ophthalmology Society

2017-present	Full Member, American Academy of Ophthalmology
2018-present	Resident Self-Assessment Committee Member
2/2020	Resident Self-Assessment Committee Representative to the Basic and Clinical Science Course (BCSC) Revisions Meeting, San Francisco, California
	Wrote/compiled the resident self-assessment questions for BCSC: Neuro-Ophthalmology 2021 update
3/2022	Resident Self-Assessment Committee Representative to the Basic and Clinical Science Course (BCSC) Revisions Meeting, Alexandria, Virginia
	Wrote/compiled the resident self-assessment questions for BCSC: Fundamentals and Principles of Ophthalmology 2023 update
Exp 1/2023	Incoming Committee Chair
2017-present	Full Member, North American Neuro-Ophthalmology Society (NANOS)
2018-present	Member, Curriculum Committee
2021-present	Member, Neuro-Ophthalmology Curriculum for General Ophthalmologists Taskforce
2019-present	Member, Fellowship Committee
2021-present	Co-Chair, NANOS Fellowship Match Taskforce
2020-present	Fellow of NANOS
2021-present	Active Member, North American Skull Base Society (NASBS), Member, NASBS Multi-Disciplinary Team of Distinction

Conference Organizer None

Session Chair None

Consultantships None

RECOGNITION

Awards, Honors

2003	National Merit Special Scholarship recipient
2004	Phi Eta Sigma Freshman Honor Society
2003-2005	Emory University Dean's List
2003-2006	Georgia Tuition Equalization Grant recipient
2003-2006	HOPE Scholar
2003-2006	Georgia Governor's Scholar
2011	<i>Cum Laude</i> graduate of Emory University School of Medicine
2013	Ophthalmology Resident Research Presentation Competition, Medical College of Georgia, Second Place
2014	Ophthalmology Resident Research Presentation Competition, Medical College of Georgia, Second Place
2014-2005	Chief Resident, Medical College of Georgia, Department of Ophthalmology
2015	Ambassador for the American Academy of Ophthalmology's Advocacy Program
2022	Assistant Professor with the Most Peer-Reviewed Publications in 2021, Wilmer Eye Institute
2022	Resident Advocate Award, Wilmer Eye
2022	American Academy of Ophthalmology (AAO) Secretariat Award

Invited Talks

JHMI/Regional

2/8/16	Papilledema: A Horse and a Zebra, University of Texas Southwestern
12/1/16	Functional imaging in neuro-ophthalmology, The Wilmer Eye Institute, The Wilmer Eye Institute's 29th Annual Current Concepts in Ophthalmology
11/30/17	Diplopia- Practical Tips, The Wilmer Eye Institute, The Wilmer Eye Institute's 30th Annual Current Concepts in Ophthalmology
10/13/18	Clinical applications of OCTA, The Wilmer Eye Institute, Wilmer 22 nd Annual Technician Course
10/13/18	Effects of pituitary tumors on vision, The Johns Hopkins Pituitary Center, 10 th Annual Pituitary Day
11/29/18	Neuro-Ophthalmic Panel Discussion, The Wilmer Eye Institute, The Wilmer Eye Institute's 31st Annual Current Concepts in Ophthalmology
10/19/19	How Pituitary Tumors Can Affect Your Vision, The Johns Hopkins Pituitary Center, 11 th Annual Pituitary Day
10/26/19	Monkey Business: The Role of Animal Models in Biomedical Research. The Wilmer Eye Institute, Wilmer 22 nd Annual Technician Course

- 11/7/19 Progress with Animal Models of Non-Arteritic Anterior Ischemic Optic Neuropathy, The Wilmer Eye Institute, Wilmer Board of Governors Meeting
- 12/5/19 Neuro-Ophthalmic Panel Discussion, The Wilmer Eye Institute, The Wilmer Eye Institute's 32nd Annual Current Concepts in Ophthalmology
- 12/3/20 Sixth Nerve Palsy, The Wilmer Eye Institute, The Wilmer Eye Institute's 33rd Annual Current Concepts in Ophthalmology
- 10/7/21 Optic Neuritis, Beyond the Treatment Trial, Arthur H. Wolintz, MD Memorial Lecture 2021, SUNY Downstate
*Named lectureship with honorarium
- 12/2/21 Functioning Pituitary Adenomas, The Wilmer Eye Institute, The Wilmer Eye Institute's 34th Annual Current Concepts in Ophthalmology
Chair of Neuro-Ophthalmology Section
- 2/3/22 Optic Neuritis, Beyond the Treatment Trial, Grand Rounds (Virtual), Medical College of Georgia
- 10/15/22 Pupillary Responses. The Wilmer Eye Institute, Wilmer 23rd Annual Technician Course
*was voted "Most Useful Talk" of the course

National

- 11/12/21 My Eye Hurts When I Look Around, American Academy of Ophthalmology Annual Meeting, Neuro-Ophthalmology Subspecialty Day, New Orleans, LA
- 12/9/21 Where the Eye Meets the Brain: Advances in Neuro-Ophthalmology, The Ophthalmology Times EyeCon 2021 (Virtual). Based in Cranbury, NJ.
*with honorarium
- 4/2/22 Neuro-Ophthalmology Ninjas: Fellowship Panel Presentation. Real World Ophthalmology: Tell Me Your Secrets 2022 (Virtual). Based in Warrenville, IL.
- 9/30/22 Updates on the Management of MS and Associated Optic Neuropathies, American Academy of Ophthalmology Annual Meeting, Glaucoma Subspecialty Day, Chicago, IL
- 10/3/22 The Role of Optic Nerve Decompression and Steroids in the Treatment of Traumatic Optic Neuropathy: Con Argument, American Academy of Ophthalmology Annual Meeting, Chicago, IL

International

- 2/10/18 Updates in myasthenia gravis, Pan-American Association of Ophthalmology, Cartagena de Indios/Centro de Convenciones, Lecture at Curso Regional Panamericano de Oftalmologia, Cartagena, Colombia
- 5/4/18 Update on optic neuritis, Congreso de Oftalmologia- Cuba 2018, Havana, Cuba, Lecture at Cuban Ophthalmology Congress
- 5/4/18 Update on Graves ophthalmopathy, Congreso de Oftalmologia- Cuba 2018, Havana, Cuba, Lecture at Cuban Ophthalmology Congress
- 5/4/18 Update on myasthenia gravis, Congreso de Oftalmologia- Cuba 2018, Havana, Cuba, Lecture at Cuban Ophthalmology Congress
- 4/26/19 Noninvasive angiography in third nerve palsy: Is it enough? II Congreso Oftalmoimagen, Lima, Peru.
- 4/26/19 Use of MRI for characterization of optic neuritis. II Congreso Oftalmoimagen, Lima, Peru.
- 4/26/19 Applications of OCTA in neuro-ophthalmology. II Congreso Oftalmoimagen, Lima, Peru.
- 4/26/19 OCT applications in papilledema. II Congreso Oftalmoimagen, Lima, Peru.
- 6/19/21 Update on Optic Neuritis, Grand Rounds (Virtual), Goutami Eye Institute, Rajahmundry - Andhra Pradesh, India.
- 9/30/21 Bilateral Optic Nerve Swelling. Neuro-Ophthalmology Webinar (Virtual), Brasilia, Brazil.
- 4/19/21 The Patient with Pupillary Abnormalities. University of Zambia School of Medicine, Neurology Resident Talk (Virtual), Lusaka, Zambia.

Visiting Professorships None

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters [PTR]

1. Toffoli D, Bruce BB, Lamirel C, **Henderson AD**, Newman NJ, Biousse V. Feasibility and quality of non-mydratric fundus photographs in children. North American Neuro-Ophthalmology Society Meeting, Vancouver, Canada. 2011 Feb.
2. **Henderson AD**, Biousse V, Newman NJ, Lamirel C, Wright DW, Bruce BB. Grade III or IV hypertensive retinopathy in the setting of hypertensive urgency. ARVO, Fort Lauderdale. 2011 May 03.

3. Gower EW, Friedman DS, Greven C, Lee DJ, Lam BL, **Henderson AD**, Chen C, Owsley C, McGwin G, Keenum Z, Haller JA, Murchison AP, Horan T, Shiuuey E. Evaluating the role of a comprehensive eye exam when joining medicare. Association for Research in Vision and Ophthalmology, Baltimore, MD, 2016 May 8.
4. **Henderson AD**, Burke S, Monsalve P, Gregori G, Jiang H, Porciatti V, Lam BL. Characterization of retinal function, microstructure, microvascular networks, and microcirculation in acute non-arteritic anterior ischemic optic neuropathy. Association for Research in Vision and Ophthalmology, Baltimore, MD, 2016 May 10.
5. Monsalve P, Triolo G, **Henderson A**, Toft-Nielsen J, Delgado R, Miskiel E, Bohorquez J, Ozcan O, Feuer WJ, Porciatti V. Next generation pattern electroretinogram for non-invasive assessment of retinal ganglion cell function in patients with optic nerve disorders. Neural Engineering Symposium, 2016 Oct 13.
6. **Henderson AD**, Vizcaino MA, Rooper L. A Case of recurrent malignant hemangiopericytoma presenting with orbital apex syndrome and proptosis. North American Neuro-Ophthalmology Society Meeting, Washington, DC. 2017 Apr 2.
7. Monsalve P, Kostic M, Triolo G, **Henderson A**, Ren S, Vazquez L, McSoley JJ, Feuer WJ, Porciatti V. Retinal ganglion cell adaptation to metabolic stress is altered in aging and optic nerve disorder. American Academy of Ophthalmology, 2017 Nov 11-14.
8. Nguyen A, McCulley T, **Henderson AD**. Thyroid-Associated Ophthalmopathy Presenting as Superior Rectus and Levator Palpebrae Enlargement. North American Neuro-Ophthalmology Society Meeting, Kona, HI, 2018 March 4.
9. Hodgson N, Chang J, Vizcaino A, Eberhart C, Carey A, **Henderson A**, McCulley T. Recurrent fibrous dysplasia. North American Neuro-Ophthalmology Society Meeting, Kona, HI, 2018 March 4.
10. Cai S, Tourkevich R, Tullbah R, Rowe S, McCulley T, Gold D, **Henderson A**. More than meets the eye. North American Neuro-Ophthalmology Society Meeting, Kona, HI, 2018 March 4.
11. Nguyen A, McCulley T, **Henderson AD**. Thyroid-Associated Ophthalmopathy Presenting as Superior Rectus and Levator Palpebrae Enlargement. Women in Ophthalmology Summer Symposium, Saint Johns, FL, Aug 2018. *won top 10 presentations
12. Gruener AM, Poostchi A, Carey AR, **Henderson AD**, Chang JR, McCulley, TJ. Giant cell arteritis in African-Americans: 10-year data from Baltimore. North American Neuro-Ophthalmology Society Meeting, Red Rock, Las Vegas, NV, 19 Mar 2019.
13. Carey AR, Bosley TM, Miller NR, McCulley TJ, **Henderson AD**. Use of En Face OCT to Monitor Papilledema in IHH. North American Neuro-Ophthalmology Society Meeting, Red Rock, Las Vegas, NV, 19 Mar 2019.
14. Alrobaian M, **Henderson AD**. A Case of Acute Leukemia Presenting as Acute 6th Nerve Palsy. North American Neuro-Ophthalmology Society Meeting, Red Rock, Las Vegas, NV, 17 Mar 2019.
15. Solyman O, Vizcaino MA, Gawande R, Fu R, Carey AR, **Henderson AD**. Neurosarcoidosis Masquerading as Cavernous Sinus Meningioma. North American Neuro-Ophthalmology Society Meeting, Red Rock, Las Vegas, NV, 17 Mar 2019.
16. Gruener AM, Poostchi A, Carey AR, **Henderson AD**, Chang JR, McCulley TJ. Giant cell arteritis in African Americans: 10-Year Data from Johns Hopkins. 14th Meeting of the European Neuro-Ophthalmology Society, Porto, Portugal, June 2019. *won second best poster of the meeting
17. **Henderson AD**, Ramulu PY. Integration of a Web-Based Audience Response System in Residency Education in Neuro-Ophthalmology. Association of University Professors of Ophthalmology (AUPO) 2020 Educating the Educators Meeting, Rancho Mirage, California, 29 January 2020.
18. Alrobaian M, **Henderson AD**. Neuro-Ophthalmic Manifestations of Acute Leukemia. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 10 Mar 2020.
19. **Henderson AD**, Carey AR. Neuro-Ophthalmic Manifestations of Sarcoidosis. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 10 Mar 2020.
20. Chen JJ, Stern C, **Henderson AD**, Moss H, Beres S, Padungkiatsagul T, Pittock S, Flanagan E, Kunchok A, Bhatti MT. Plasma exchange for optic neuritis from various etiologies. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 10 Mar 2020.
21. Ahmad MT, Carey AR, Kolker A, Cunningham P, **Henderson A**. Small-Vessel Vasculitis in Giant Cell Arteritis. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 8 Mar 2020.
22. Shah Y, **Henderson AD**, Carey AR. Effect of Initial Prednisone Dosing on Ocular Myasthenia Control at 1 Month. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 8 Mar 2020.
23. Kim P, **Henderson AD**. Pseudotumor Cerebri Secondary to Use of All-Trans Retinoic Acid in a Patient with Acute Promyelocytic Leukemia. North American Neuro-Ophthalmology Society Meeting, Amelia Island, Florida, 8 Mar 2020.

24. Ahmad M, [Solyman O](#), Arora K, **Henderson AD**, Carey A. Stereoscopic Three-Dimensional (3D) Slit Lamp Photography and Videography Using Compact 3D Digital Camera. Association for Research in Vision and Ophthalmology (ARVO) Meeting, Baltimore, Maryland. Accepted for presentation, but ARVO cancelled.
25. **Henderson AD**, Ramulu PY. Evaluation of a Neuro-Ophthalmology Curriculum for Ophthalmology Residents. Association of University Professors in Ophthalmology (AUPO) Virtual Meeting. 21 Jan 2021.
26. Murphy OC, **Henderson A**, Gold DR. Complete Saccadic Palsy Following Pulmonary Thrombectomy. North American Neuro-Ophthalmology Society Meeting, Virtual, 20 Feb 2021.
27. **Henderson AD**, Ramulu PY. Evaluation of a Neuro-Ophthalmology Curriculum for Ophthalmology Residents. North American Neuro-Ophthalmology Society Virtual Meeting, 22 Feb 2021.
28. **Henderson AD**, Guo Y, Mehrabian Z, Johnson MA, Miller NR, Bernstein SL. Effect of Interleukin-6 Inhibition in a Rodent Model of Non-Arteritic Anterior Ischemic Optic Neuropathy. Wilmer Residents Association Meeting, Virtual, 23 Apr 2021.
29. **Henderson AD**, Guo Y, Mehrabian Z, Johnson MA, Miller NR, Bernstein SL. Effect of Interleukin-6 Inhibition in a Rodent Model of Non-Arteritic Anterior Ischemic Optic Neuropathy. Association for Research in Vision and Ophthalmology (ARVO) Meeting, Virtual, 4 May 2021.
30. Chen J, Sotirchos E, **Henderson A**, Vasileiou E, Flanagan E, Bhatti MT, Jamali S, Eggenberger E, Dinome M, Frohman L, Arnold A, Bonelli L, Seleme N, Mejia-Vergara A, Moss H, Padungkiatsagul T, Lotan I, Hellmann M, Stiebel-Kalish H, Saidha S, Calabresi P, Pittock S. Optical Coherence Tomography Demonstrates More Severe Peripapillary Retinal Nerve Fiber Layer Thickening in Acute Optic Neuritis from Myelin Oligodendrocyte Glycoprotein Antibody Associated Disorder than Multiple Sclerosis. 37th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Virtual, 13-15 October 2021.
31. Chen J, Huda S, Hacohen Y, Levy M, Lotan I, Hellmann M, Wilf-Yarkoni A, Stiebel-Kalish H, Sotirchos E, **Henderson A**, Flanagan E, Pittock S, Bhatti MT, Eggenberger E, Dinome M, Kim HJ, Kim S-H, Saiz A, Paul F, Dale R, Ramanathan S, Palace J, Camera V, Lam B, Bennett J, Mariotto S, Audoin B, Maillart E, Deschamps R, Pique J, Marignier R. International Multicenter Retrospective Study Suggests Maintenance Intravenous Immunoglobulin is Effective in Preventing Relapse in Adults with Myelin Oligodendrocyte Glycoprotein Antibody Associated Disorder. 37th Congress of the European Committee for Treatment and Research in Multiple Sclerosis (ECTRIMS), Virtual, 13-15 October 2021.
32. Sabet SJ, Carey AR, **Henderson AD**. Comparison of Presenting Characteristics Between Older and Younger Patients with Idiopathic Intracranial Hypertension. North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.
33. [Carper M](#), **Henderson AD**, Carey AR. Characteristics of CSF Leak and Prevalence of Idiopathic Intracranial Hypertension at the Time of Diagnosis. North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.
34. [Patel AN](#), **Henderson AD**. Identification of Factors That May Predict Career Trajectory Among Neuro-Ophthalmology Fellows. North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.
35. [Solyman O](#), Abu Shanab M, Carey A, **Henderson A**. Pilot Study of Smartphone Infrared Pupillography and Pupilometry. North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.
36. Chen JJ, Huda S, Hacohen Y, Levy M, Lotan I, Wilf-Yarkoni A, Stiebel-Kalish H, Hellman MA, Sotirchos ES, **Henderson AD**, Pittock SJ, Bhatti MT, Eggenberger ER, Dinome M, Kim HJ, Kim S-H, Saiz A, Paul F, Dale RC, Ramanathan S, Palace J, Camera V, Lam BL, Bennett JL, Mariotto S, Hodge D, Audoin B, Maillart E, Deschamps R, Pique J, Flanagan EP, Marignier R. International Multicenter Retrospective Study on Effectiveness of Maintenance Intravenous Immunoglobulin in Preventing Relapse in Adults with Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease. Platform Presentation (Dr. Chen) at North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.
37. [Patel A](#), **Henderson AD**. Identification of Factors That May Predict Career Trajectory Among Neuro-Ophthalmology Fellows. Vision Discovery Institute Annual Meeting, Augusta, Georgia, March 2022.

Oral/Podium Presentations

1. **Henderson AD**, Burke S, Monsalve P, Gregori G, Rosenfeld PJ, Jiang H, Porciatti V, Lam B, Vazquez L, Wang J. Characterization of retinal function, microstructure, and microvasculature in acute non-arteritic anterior ischemic optic neuropathy. Bascom Palmer Eye Institute Residents' Days, 2016 June 18.
2. **Henderson AD**, Huisman TAGM, Meodad A, Hazin AN, van der Linden V, May WN. Characterization of Visual Pathway Abnormalities in Infants with Congenital Zika Syndrome using CT and MRI. North American Neuro-Ophthalmology Society Meeting, Red Rock, Las Vegas, NV, 18 March 2019.
3. Chen JJ, Huda S, Hacohen Y, Levy M, Lotan I, Wilf-Yarkoni A, Stiebel-Kalish H, Hellman MA, Sotirchos ES, **Henderson AD**, Pittock SJ, Bhatti MT, Eggenberger ER, Dinome M, Kim HJ, Kim S-H, Saiz A, Paul F, Dale RC, Ramanathan S, Palace J, Camera V, Lam BL, Bennett JL, Mariotto S, Hodge D, Audoin B, Maillart E,

Deschamps R, Pique J, Flanagan EP, Marignier R. International Multicenter Retrospective Study on Effectiveness of Maintenance Intravenous Immunoglobulin in Preventing Relapse in Adults with Myelin Oligodendrocyte Glycoprotein Antibody-Associated Disease. Platform Presentation (Dr. Chen) at North American Neuro-Ophthalmology Society Meeting, Austin, Texas, 15 Feb 2022.