

CURRICULUM VITAE
The Johns Hopkins University School of Medicine



Mona A. Kaleem, M.D.

August 31, 2021

DEMOGRAPHIC and PERSONAL INFORMATION

Appointments

University

8/14-3/20 Assistant Professor, Department of Ophthalmology and Visual Sciences, University of Maryland School of Medicine (UMSOM)
4/20-present Associate Professor, Wilmer Eye Institute, Johns Hopkins University School of Medicine (JHU)

Hospital

8/14-3/20 Attending Physician, University of Maryland Medical Center
8/14-3/20 Attending Physician, University of Maryland-Midtown Campus
8/14-3/20 Attending Physician, University of Maryland-Waterloo Campus
8/14-3/20 Attending Physician, University of Maryland-Owings Mills Campus
8/14-3/20 Attending Physician, Baltimore Veteran's Affairs Medical Center
4/20-present Attending Physician, Wilmer Eye Institute, JHU School of Medicine
4/20-present Attending Physician, Suburban Hospital, JHU School of Medicine

Personal Data

Address: Wilmer Eye Institute
 Westmoreland Building
 6430 Rockledge Drive
 Suite 600
 Bethesda, Maryland 20817

Work Phone: (240) 482-1100

Work Fax: (240) 482-1105

Education and Training

Undergraduate

1999-2003 B.A. in Economics, Smith College, Northampton, MA
2001-2002 Study Abroad, University of St. Andrews, St. Andrews, UK
2003-2005 Intramural Research Training Award, National Institutes of Health, Bethesda, MD

Doctoral/graduate

2005-2009 M.D., Howard University College of Medicine, Washington D.C.

Postdoctoral

2009-2010 Internship, Internal Medicine, Mercy Medical Center, Baltimore, MD
2010-2013 Residency, Ophthalmology, Howard University Hospital, Washington D.C.
2011-2012 Visiting Post-Doctoral Research Fellow, Wilmer Eye Institute, Johns Hopkins Medical Institute, Baltimore, MD
2013-2014 Fellowship, Glaucoma, Cole Eye Institute, Cleveland Clinic Foundation, Cleveland, OH

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Professional Experience

8/14-3/20 Assistant Professor, University of Maryland School of Medicine, Baltimore, MD
4/20-present Associate Professor, Wilmer Eye Institute, JHU School of Medicine, Baltimore, MD

PUBLICATIONS

Original Research

1. Miller DW, Wilson CR, **Kaleem MA**, Blackinton J, Cookson MR. Identification of the epitope of a monoclonal antibody to DJ-1. *Neurosci Lett*. 2005 Feb 21;374(3):203-6.
2. Blackinton J, Ahmad R, Miller DW, van der Brug MP, Canet-Aviles RM, Hague SM, **Kaleem M**, Cookson MR. Effects of DJ-1 mutations and polymorphisms on protein stability and subcellular localization. *Brain Res Mol Brain Res*. 2005 Mar 24;134(1):76-83.
3. Bandopadhyay R, Miller DW, Kingsbury AE, Jowett TP, **Kaleem M**, Pittman AM, de Silva R, Cookson MR, Lees AJ. Development, characterisation and epitope mapping of novel monoclonal antibodies for DJ-1 (PARK7) protein. *Neurosci Lett*. 2005 Aug 5;383(3):225-30.
4. Myers AJ, **Kaleem M**, Marlowe L, Pittman AM, Lees A, Fung HC, Duckworth J, Leung D, Gibson A, Morris CM, de Silva R and Hardy J. The H1c Haplotype at the MAPT locus is associated with Alzheimer's Disease. *Hum Mol Genet*. 2005 Aug 15;14(16):2399-404.
5. Pittman AM, Myers AJ, Abou-Sleiman P, Fung HC, **Kaleem M**, Marlowe L, Duckworth J, Leung D, Williams D, Kilford L, Thomas N, Morris CM, Dickson DW, Wood NW, Hardy J, Lees AJ, de Silva R. Linkage disequilibrium fine-mapping and haplotype association analysis of the tau gene in progressive supranuclear palsy and corticobasal degeneration. *J Med Genet*. 2005 Nov;42(11):837-46.
6. Smemo S, Nowotny P, Hinrichs AL, Kauwe JS, Cherny S, Erickson K, Myers AJ, **Kaleem M**, Marlowe L, Gibson AM, Hollingworth P, O'donovan MC, Morris CM, Holmans P, Lovestone S, Morris JC, Thal L, Li Y, Grupe A, Hardy J, Owen MJ, Williams J, Goate A. Ubiquilin 1 polymorphisms are not associated with late-onset Alzheimer's disease. *Ann Neurol*. 2006 Jan;59(1):21-6.
7. Grupe A, Li Y, Rowland C, Nowotny P, Hinrichs AL, Smemo S, Kauwe JS, Maxwell TJ, Cherny S, Doil L, Tacey K, van Luchene R, Myers A, Wavrant-De Vrieze F, **Kaleem M**, Hollingworth P, Jehu L, Foy C, Archer N, Hamilton G, Holmans P, Morris CM, Catanese J, Sninsky J, White TJ, Powell J, Hardy J, O'Donovan M, Lovestone S, Jones L, Morris JC, Thal L, Owen M, Williams J, Goate A. A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. *Am J Hum Genet*. 2006 Jan;78(1):78-88.
8. Myers AJ, Pittman AM, Zhao AS, Rohrer K, **Kaleem M**, Marlowe L, Lees A, Leung D, McKeith IG, Perry RH, Morris CM, Trojanowski JQ, Clark C, Karlawish J, Arnold S, Forman MS, Van Deerlin V, de Silva R, Hardy J. The MAPT H1c risk haplotype is associated with increased expression of tau and especially of 4 repeat containing transcripts. *Neurobiol Dis*. 2007 Mar;25(3):561-70.
9. Coon KD, Myers AJ, Craig DW, Webster JA, Pearson JV, Lince DH, Zismann VL, Beach TG, Leung D, Bryden L, Halperin RF, Marlowe L, **Kaleem M**, Walker DG, Ravid R, Heward CB, Rogers J, Papassotiropoulos A, Reiman EM, Hardy J, Stephan DA. A high-density whole-genome association study reveals that APOE is the major susceptibility gene for sporadic late-onset Alzheimer's disease. *J Clin Psychiatry*. 2007 Apr;68(4):613-8.
10. Reiman EM, Webster JA, Myers AJ, Hardy J, Dunckley T, Zismann VL, Joshipura KD, Pearson JV, Hu-Lince D, Huentelman MJ, Craig DW, Coon KD, Liang WS, Herbert RH, Beach T, Rohrer KC, Zhao AS, Leung D, Bryden L, Marlowe L, **Kaleem M**, Mastroeni D, Grover A, Heward CB, Ravid R, Rogers J, Hutton ML, Melquist S, Petersen RC, Alexander GE, Caselli RJ, Kukull W, Papassotiropoulos A, Stephan DA. GAB2 alleles modify Alzheimer's risk in APOE epsilon4 carriers. *Neuron*. 2007 Jun 7;54(5):713-20.
11. Myers AJ, Gibbs JR, Webster JA, Rohrer K, Zhao A, Marlowe L, **Kaleem M**, Leung D, Bryden L, Nath P, Zismann VL, Joshipura K, Huentelman MJ, Hu-Lince D, Coon KD, Craig DW, Pearson JV, Holmans P, Heward CB, Reiman EM, Stephan D, Hardy J. A survey of genetic human cortical gene expression. *Nat Genet*. 2007 Dec;39(12):1494-9.
12. **Kaleem M**, Zhao A, Hamshere M, Myers AJ. Identification of a novel valosin-containing protein polymorphism in late-onset Alzheimer's disease. *Neurodegener Dis*. 2007;4(5):376-81.

13. Webster JA, Gibbs JR, Clarke J, Ray M, Zhang W, Holmans P, Rohrer K, Zhao A, Marlowe L, **Kaleem M**, McCorquodale DS 3rd, Cuello C, Leung D, Bryden L, Nath P, Zismann VL, Joshipura K, Huentelman MJ, Hu-Lince D, Coon KD, Craig DW, Pearson JV; NACC-Neuropathology Group, Heward CB, Reiman EM, Stephan D, Hardy J, Myers AJ. Genetic control of human brain transcript expression in Alzheimer disease. *Am J Hum Genet.* 2009 Apr;84(4):445-58.
14. Webster J, Reiman EM, Zismann VL, Joshipura KD, Pearson JV, Hu-Lince D, Huentelman MJ, Craig DW, Coon KD, Beach T, Rohrer KC, Zhao AS, Leung D, Bryden L, Marlowe L, **Kaleem M**, Mastroeni D, Grover A, Rogers J, Heun R, Jessen F, Kölsch H, Heward CB, Ravid R, Hutton ML, Melquist S, Petersen RC, Caselli RJ, Papassotiropoulos A, Stephan DA, Hardy J, Myers A. Whole genome association analysis shows that ACE is a risk factor for Alzheimer's disease and fails to replicate most candidates from Meta-analysis. *Int J Mol Epidemiol Genet.* 2010;1(1):19-30.
15. **Kaleem MA**, Ramsahai S, del Fierro K, Rasul S, Onumah C, Copeland RA, Lerebours V, Gajjala J, Jones LS. Ocular Findings in Human Immunodeficiency Virus Patients in Washington D.C. *International Ophthalmology.* 2012 Apr;32(2):145-51.
16. **Kaleem MA**, Munoz BE, Munro CA, Gower, EW, West SK. Visual Characteristics of Elderly Night Drivers in the Salisbury Eye Evaluation Driving Study. *IOVS.* 2012 Aug;53(9):5161-7.
17. **Kaleem MA**, Oberfeld S, Eisengart J. Chronic Pseudophakic Aqueous Misdirection. *Asian Journal of Ophthalmology.* 2016;15(1):47-52.
18. **Kaleem MA**, West SK, Im L, Swenor BK. Referral to Low Vision Services for Glaucoma Patients: Referral patterns and characteristics of those who refer. *J Glaucoma.* 2017 Feb;26(2):e115-e120.
19. **Kaleem M**, Ridha F, Shwani Z, Swenor B, Goshe J, Singh A. Rates of Intraocular Pressure Elevation and Use of Topical Anti-Hypertensive Medication After Descemet's Stripping Automated Endothelial Keratoplasty. *Cornea.* 2017 Jun;36(6):669-74.
20. Pabon S, Sunness JS, **Kaleem MA**. Low Vision Therapy for Glaucoma Patients. *Curr Ophthalmol Rep.* 2017. DOI:10.1007/s40135-017-0124-5.
21. Fontenot JL, Bona MD, **Kaleem MA**, McLaughlin WM, Morse AR, Schwartz TL, Shepherd JD, Jackson ML. Vision Rehabilitation Preferred Practice Pattern. *Ophthalmology.* 2018 Jan;125(1):228-78.
22. Qin VL, **Kaleem M**, Rockwood EJ, Singh A, Sood-Mendiratta S, Sears JE, Silva FQ, Conti FF, Eisengart J, Singh RP. Long-term clinical outcomes of pars plana versus anterior chamber placement of glaucoma drainage devices. *J Glaucoma.* 2018 May;27(5):440-4.
23. **Kaleem MA**, West SK, Im L, Swenor BK. Referral to Low Vision Services for Glaucoma Patients: Referral Criteria and Barriers. *J Glaucoma.* 2018 July;27(7):653-55.
24. Hom J, Sarwar S, **Kaleem MA**, Messina CD, Sepah YJ, Nguyen QD. Cochrane Eyes and Vision Group. Topical mydriatics as adjunctive therapy for traumatic iridocyclitis and iritis. *Cochrane Database of Systemic Reviews.* 2019 Mar;2019(3): doi: [10.1002/14651858.CD013260](https://doi.org/10.1002/14651858.CD013260).
25. Qureshi A, Chen H, Saeedi OJ, **Kaleem M**, Margo J, Kalarn S, Alexander J. Anterior Segment Ultrasound Biomicroscopy Image Analysis Using ImageJ Software: Intra-observer Repeatability and Inter-observer Agreement. *Int Ophthalmology.* 2019 April;39(4):829-37.
26. Ou MT, Kleiman H, Kalarn S, Moradi A, Shukla S, Danielson M, **Kaleem M**, Shulman M, Boland M, Robin A, Saeedi OJ. A Pilot Study on the Effects of Physician Gaze on Patient Satisfaction in the Setting of Electronic Health Records. *J Acad Ophthalmol.* 2019 Jul;11(2);e24-29.
27. Tracey B, Mayo L, Le C, Chen V, Weichsel J, Renner C, Li J, Tsai J, Kalarn S, Ou M, Chang L, Mohammed T, Mohammed I, Shah K, Thompson G, Jones A, Im L, **Kaleem M**, Saeedi O. Measurement of Retinal Microvascular Blood Velocity Using Erythrocyte Mediated Velocimetry. *Sci Rep.* 2019 Dec 27;9(1):20178.
28. Alexander JL, Maripudi S, Kannan K, Drechsler J, Levin MR, Saeedi OJ, **Kaleem M**, Bazemore M, Karwoski B, Martinez C, Jaafar M, Madigan WP. Semiautomated Assessment of Anterior Segment Structures in Pediatric Glaucoma Using Quantitative Ultrasound Biomicroscopy. *J Glaucoma.* 2021 Feb 15. doi: [10.1097/IJG.0000000000001809](https://doi.org/10.1097/IJG.0000000000001809). Epub ahead of print. PMID: 33596011.
29. DeVience E, Schechet S, DeVience S, Shukla S, **Kaleem M**. Survey of Musculoskeletal Disorders Among U.S. Ophthalmologists. *Digital Journal of Ophthalmology.* Accepted 2/8/20.
30. DeVience E, Schechet SA, Carney M, **Kaleem M**, DeVience S, Chang L, Hinkle H. Syphilitic Retinitis: Phenotypic Presentations and Improvement after Penicillin Therapy. *International Ophthalmology.* Accepted 8/29/20.

31. **Kaleem MA**, Rajjoub R, Schiefer C, Wall J, Applegate C, Ting J, Sunness JS. Characteristics of glaucoma patients attending vision rehabilitation services. *Ophthalmology Glaucoma*. Accepted 3/5/21.
32. Stoleru G, Qureshi A, Kalarn S, Martinez C, Levin M, **Kaleem M**, Saeedi O, Magder L, Karwoski B, Jaafar M, Madigan W, Alexander J. Anterior segment growth from infancy to early adulthood using ultrasound biomicroscopy. *IOVS*. Submitted 7/25/18.
33. Li J, Drechsler J, Lin A, Widlus M, Qureshi A, Stoleru G, Saeedi O, Levin M, **Kaleem M**, Jaafar M, Madigan W, Alexander J. Repeatability of Quantified Image Analysis of the Ciliary Body in Ultrasound Biomicroscopy Images. *Translational Vision Science and Technology*. Submitted 6/29/20.
34. Wei L, Qureshi A, Stoleru G, Kalarn S, Levin M, **Kaleem M**, Saeedi O, Bazemore M, Karwoski B, Martinez C, Jaafar M, Madigan W, Alexander J. Anterior segment growth from infancy to early adulthood using ultrasound biomicroscopy. *JAAPOS*. Submitted 7/17/20.

Review Articles

1. Schehlein EM, **Kaleem MA**, Swamy R, Saeedi, OJ. Microinvasive Glaucoma Surgery: An Evidence-Based Assessment. *Expert Rev Ophthalmology*. 2017;12(4):331-343.
2. Schiefer C, **Kaleem M**, Aouchiche R. Ophthalmic Pearls: Diagnosis and Management of Optic Disc Pits. *EyeNet Magazine*. Published February 2020.
3. Douglas JP, Bergman Z, Idowu O, **Kaleem M**. The Facts on Glaucoma Treatment and Marijuana. Independent publication March 2021.

Case Reports

1. Hwang S, Haidara M, **Kaleem MA**, Mathews M. Myelomatous Meningitis Presenting as Infiltrative Optic Neuropathy. *Advances in Ophthalmology & Visual Systems*. 2015 Oct;3(1):72-4.
2. Wei L, **Kaleem M**, Alexander JL. Pictures and Perspectives: Isolated quadrant of trabecular dysgenesis in juvenile open angle glaucoma. *AJO Case Reports*. Submitted 9/4/20.
3. Asanad S, Kalarn S, **Kaleem MA**. Postoperative Complications of Ab-Interno XEN Implantation in Primary Angle Closure Glaucoma. *Am J Clin Exp Immunol* 2021;10(1):44-47.

Book Chapters

1. Roy NK, Bennett DM, Ally S, **Kaleem M**, Mansour D. Essentials: Renal, Gastrointestinal and Hepatobiliary Systems. iUniverse 2007: Lincoln, NE.
2. **Kaleem MA**, Copeland RA. "Phlyctenular Keratoconjunctivitis." Copeland and Afshari's Principles and Practice of Cornea. Ed. Copeland RA, Ed. Afshari N. Jaypee Brothers Medical Publishing 2013: India.
3. **Kaleem MA**. "Riley Day Syndrome." Encyclopedia of Ophthalmology. Ed. Schmidt-Erfurth UM, Kohnen T. Springer 2015: New Delhi, India.
4. **Kaleem MA**. "Chelation Therapy for Band Keratopathy." Encyclopedia of Ophthalmology. Ed. Schmidt-Erfurth UM, Kohnen T. Springer 2015: New Delhi, India.
5. Knight O, **Kaleem M**, Melvani R, Bregman J, Hunter T, Couser NL. "Eye Genetic Abnormalities with Glaucoma". *Ophthalmic Genetic Diseases: A Quick Reference Guide to the Eye and External Ocular Adnexa Abnormalities*. Ed: Couser NL. Elsevier 2018: St. Louis, MO.
6. Editor, Basic and Clinical Science Course, Section 2: Fundamentals and Principles of Ophthalmology. American Academy of Ophthalmology, 2019-2020.
7. Bregman J, **Kaleem MA**, Alexander J, Fard S, Couser NL. "The History of Pediatric Glaucoma". *The History of Ophthalmology – The Monographs*. Volume 15. Ed: Leffler CT. Kugler 2020: Amsterdam, The Netherlands.
8. Editor, Basic and Clinical Science Course: Section 10: Glaucoma. American Academy of Ophthalmology, 2020-2021.
9. Zafrullah N, **Kaleem MA**, Wafai M. "Evolution of Ophthalmology in the Islamic Civilization". *Contributions of the Islamic Civilization to the Development of Medicine and Science*. Ed: Nagamia H. Expected late 2021.

Books

1. Quigley H and **Kaleem M**. *Glaucoma: What Every Patient Should Know*. Baltimore, MD: Kindle Direct Publishing, 2020.

Editorials

1. **Kaleem MA**, Swenor BK, West SK, Im L, Shepherd JD. Editorial: Low Vision Services and the Glaucoma Patient. *Ophthalmology Glaucoma*. 2019 May-June;2(3):127-129.

Media Releases/Interviews

1. **Kaleem MA**, Shepherd JD. American Academy of Ophthalmology, David E. I. Pyott Glaucoma Education Center, (<https://www.aao.org/interview/low-vision-rehab-glaucoma>). Published 7 November 2019.
2. Jackson ML, **Kaleem MA**, Lawrence LM, Shepherd JD. American Academy of Ophthalmology, (<https://www.aao.org/learning-plan-detail/identifying-and-managing-vision-rehabilitation-patients>). Published 7 October 2020.

Other Media

1. **Kaleem MA**. *The Mysterious Stroke*. EyeWiki, Grand Rounds, (<http://eyewiki.aao.org>). Published 9 April 2012.
2. Francomacaro S, **Kaleem MA**. Low Vision and Vision Rehabilitation in Glaucoma. EyeWiki, Glaucoma, (<http://eyewiki.aao.org>), Published 25 August 2017.
3. **Kaleem M**. Why Family History Matters. International Agency for the Prevention of Blindness, Blog, (<https://www.iapb.org/news/why-family-history-matters/>). Published 12 March 2020.
4. **Kaleem M**, Quigley H. Diagnosis Glaucoma: a podcast for patients or anyone simply interested in learning more about the eye condition. <https://www.diagnosisglaucoma.com/>. Since 1 June 2020.

FUNDING

EXTRAMURAL Funding

Research Extramural Funding: Current

- | | |
|--------------|--|
| 1/17-present | Examining the Burden of Ophthalmic Disease in the Underserved in Baltimore
Abell Foundation
\$28,000
Role: PI; 20% effort |
| 2018-2021 | Characteristics of Glaucoma Patients Attending Vision Rehabilitation
American Glaucoma Society, MAPS Award
\$10,000
Role: PI;20% effort |

Research Extramural Funding: Previous

- | | |
|-----------|--|
| 2014-2017 | Referral to Low Vision Services for Glaucoma Patients
American Glaucoma Society, MAPS Award
\$10,000
Role: PI; 20% effort |
|-----------|--|

INTRAMURAL Funding

- | | |
|---------------|--|
| 12/20-present | Administering the Glaucoma Computerized Adaptive Test
Pooled Professor Fund, Wilmer Eye Institute, Johns Hopkins Hospital
\$50,000
Role: PI; 20% effort |
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CLINICAL ACTIVITIES

Clinical Focus

- Evaluation and treatment of adult and pediatric patients with glaucoma, ocular hypertension, or risk factors for either condition
- Evaluation and treatment of adults with cataract

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- Evaluation and treatment of patients with ocular trauma
- Application of minimally invasive glaucoma surgical procedures

Medical/State Certifications

2013 Ohio Medical Licensure
2014 Maryland Medical Licensure
2019 Washington D.C. Medical Licensure

Specialty Board Certification

2016 Diplomate, American Board of Ophthalmology

Clinical Service Responsibilities

8/14-3/20 Clinical, surgical, and teaching faculty, University of Maryland School of Medicine
Responsibilities included 3.5 days of clinic per week, 1 day of surgery per week, and 0.5 days of academic time per week.

4/20-present Clinical, surgical, and teaching faculty, Johns Hopkins University School of Medicine
Responsibilities include 3 days of clinic per week, 1 day of surgery per week, and 1 day of academic time per week.

Membership in Specialty Board

2016 American Academy of Ophthalmology

Clinical Program Building/Leadership

2014-2017 Director, Ophthalmic Technician Education Program, UMSOM
2015-2018 Perioperative Services Committee, UMSOM Midtown Campus
2017-2020 Chair, Infection Control Committee, UMSOM Waterloo Campus
2020-present Patient Safety Committee, Wilmer Eye Institute, JHU School of Medicine

EDUCATIONAL ACTIVITIES

Teaching

Classroom Instruction – Regional – Medical Students

2016 Lecturer, 3rd year medical students (20), Ophtho 101 for Family Medicine, Family Medicine Rotation, University of Maryland School of Medicine, Baltimore, MD

2016 Lecturer, 3rd/4th year medical students and Internal Medicine residents (80), Acute Vision Loss, Department of Internal Medicine, University of Maryland School of Medicine, Baltimore, MD

2017 Lecturer, 3rd year medical students (20), Ophtho 101 for Family Medicine, Family Medicine Rotation, University of Maryland School of Medicine, Baltimore, MD

2018 Lecturer, 2nd year medical students (160), Pathophysiology and Therapeutics 2: Neuroanatomy Block, University of Maryland School of Medicine, Baltimore, MD

2018 Lecturer, 3rd year medical students (20), Ophtho 101 for Family Medicine, Family Medicine Rotation, University of Maryland School of Medicine, Baltimore, MD

2018 Lecturer, 3rd/4th year medical students (80), Acute Vision Loss, Department of Internal Medicine, University of Maryland School of Medicine, Baltimore, MD

2019 Lecturer, 3rd year medical students (20), Ophtho 101 for Family Medicine, Family Medicine Rotation, University of Maryland School of Medicine, Baltimore, MD

2020 Small group organizer and instructor, 2nd year medical students (20), Pathophysiology and Therapeutics 2: Neuroanatomy Block, University of Maryland School of Medicine, Baltimore, MD

Classroom Instruction – Regional – Residents

- 2014 Lecturer, ophthalmology residents (12), Perimetry Essentials, University of Maryland School of Medicine, Baltimore, MD
- 2014 Lecturer, ophthalmology residents (12), Laser Therapy, University of Maryland School of Medicine, Baltimore, MD
- 2014 Lecturer, ophthalmology residents (12), Difficult Discs, University of Maryland School of Medicine, Baltimore, MD
- 2014 Lecturer, ophthalmology residents (12), Role of Prostaglandin Analogs in Uveitic Patients, University of Maryland School of Medicine, Baltimore, MD
- 2014 Lecturer, ophthalmology residents (12), A Decade of Selective Laser Trabeculoplasty, University of Maryland School of Medicine, Baltimore, MD
- 2014 Lecturer, ophthalmology residents (12), Impact of Cataract Surgery on Glaucoma Care, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), iStent, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), Mechanisms of IOP Elevations Following Anti-VEGF Therapy, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), Perimetry Essentials, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), Gonioscopy Practicum, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), Barriers to Medication Adherence in Glaucoma Patients, University of Maryland School of Medicine, Baltimore, MD
- 2015 Lecturer, ophthalmology residents (12), Management of Bleb Leaks, University of Maryland School of Medicine, Baltimore, MD
- 2016 Lecturer, ophthalmology residents (12), Diagnosis and Treatment Options for Blebitis, University of Maryland School of Medicine, Baltimore, MD
- 2016 Lecturer, ophthalmology residents (12), Introduction to Glaucoma Evaluation and Treatment, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Diode Laser for Refractory Glaucoma, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Glaucoma Management After Cornea Transplant Surgery, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Review of the Ocular Hypertension Treatment Study, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Introduction to Glaucoma Evaluation and Treatment, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Perimetry Essentials, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Glaucoma Imaging, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Trends Among Various Glaucoma Surgeries and Procedures, University of Maryland School of Medicine, Baltimore, MD
- 2017 Lecturer, ophthalmology residents (12), Trabeculectomy Complications, University of Maryland School of Medicine, Baltimore, MD
- 2018 Lecturer, ophthalmology residents (12), Disinfection of Tonometers, University of Maryland School of Medicine, Baltimore, MD
- 2018 Lecturer, ophthalmology residents (12), Do the Size and Location of an LPI Matter?, University of Maryland School of Medicine, Baltimore, MD
- 2018 Lecturer, ophthalmology residents (12), Introduction to Glaucoma Evaluation and Treatment, University of Maryland School of Medicine, Baltimore, MD
- 2018 Lecturer, ophthalmology residents (12), Diet and Glaucoma, University of Maryland School of Medicine, Baltimore, MD
- 2019 Lecturer, ophthalmology residents (12), Comparing the Ocular Response Analyzer to other Tonometers, University of Maryland School of Medicine, Baltimore, MD

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- 2019 Lecturer, ophthalmology residents (12), Medical Marijuana and Glaucoma, University of Maryland School of Medicine, Baltimore, MD
- 2019 Lecturer, ophthalmology residents, Introduction to Glaucoma Evaluation and Treatment, University of Maryland School of Medicine, Baltimore, MD
- 2019 Lecturer, ophthalmology residents (12), Perimetry Essentials, University of Maryland School of Medicine, Baltimore, MD
- 2019 Lecturer, ophthalmology residents (12), Glaucoma Imaging, University of Maryland School of Medicine, Baltimore, MD
- 2020 Small group instructor (5), Gonioscopy and Angle Anatomy, Johns Hopkins University School of Medicine, Baltimore, MD
- 2020 Small group instructor (3), Open Angle Glaucoma, Johns Hopkins University School of Medicine, Baltimore, MD
- 2020 Small group instructor (3), Visual Field Interpretation, Johns Hopkins University School of Medicine, Baltimore, MD
- 2021 Small group instructor (3), Angle Closure Glaucoma, Johns Hopkins University School of Medicine, Baltimore, MD
- 2021 Small group instructor (2), Open Angle Glaucoma, Johns Hopkins University School of Medicine, Baltimore, MD
- 2021 Small group instructor (2), Visual Field Interpretation, Johns Hopkins University School of Medicine, Baltimore, MD
- 2021 Small group instructor (1), Intraocular Pressure and Aqueous Humor, Johns Hopkins University School of Medicine, Baltimore, MD
- 2021 Small group instructor (1), Primary Angle Closure Glaucoma, Johns Hopkins University School of Medicine, Baltimore, MD

Classroom Instruction – Regional – Graduate students

- 2020 Lecturer, Engineering Master's degree students, Radiology for Engineers: Imaging for Ophthalmology, Johns Hopkins University, Department of Biomedical Engineering, School of Medicine and Whiting School of Engineering, Baltimore, MD

Clinical Instruction - Regional

- 2014-2015 Instructor, 2nd year medical students (20), Introduction to Clinical Medicine, Medical Student Practical, University of Maryland School of Medicine, Baltimore, MD
- 2016-2016 Instructor, 2nd year medical students (20), Small Group Session: Eye Infections, Introduction to Clinical Medicine, University of Maryland School of Medicine, Baltimore, MD
- 2014-2020 Attending physician, 3rd/4th year medical students, Ophthalmology service, University of Maryland School of Medicine, Baltimore, MD
- 2014-2020 Attending physician, ophthalmology residents, Glaucoma service, University of Maryland School of Medicine, Baltimore, MD
- 2014-2020 Attending physician, transitional year interns, Ophthalmology service, University of Maryland School of Medicine, Baltimore, MD
- 2020-present Attending physician, Glaucoma fellows, Ophthalmology service, JHU School of Medicine, Bethesda, MD

CME Instruction

- 4/17 Lecture, “Minimally Invasive Glaucoma Surgery”, Maryland Optometric Association, Columbia, MD
- 6/20 Moderator, “Glaucoma Home Monitoring Tools”, Maryland Society of Eye Physicians and Surgeons, Webinar
- 8/20 Moderator, “Minimally Invasive Glaucoma Surgery”, Maryland Society of Eye Physicians and Surgeons, Webinar
- 12/20 Lecture, “Managing Glaucoma Patients with Vision Impairment”, Current Concepts in Ophthalmology, Wilmer Eye Institute, Baltimore, MD
- 8/21 Instructor, “Phacoemulsification Wet Lab”, Women in Ophthalmology, Amelia Island, FL

Educational Program Building and Leadership

2014-2020 Residency Core Competency Committee, UMSOM
 2015-2020 Interviewer, Admissions Committee, UMSOM
 2017-2020 Advisor, University of Maryland School of Medicine Scholars Program
 2018-2020 Assistant Director of Ophthalmology Clerkship, UMSOM
 2018-present Education Division, American Academy of Ophthalmology
 2018-present Mentor, AAO/AUPO Minority Ophthalmology Mentoring Program
 2021-present Leader, Glaucoma Fellowship Evaluation Process, JHU School of Medicine

RESEARCH ACTIVITIES

Research Focus

The goal of my research is to improve the quality of life for those with glaucoma through access to vision counseling, rehabilitation services, and patient centered education, as a means towards empowerment. A secondary goal is to evaluate the current system of care and create a method for benchmarking the quality of care we provide. A tertiary goal is to determine how we can improve the design of medical institutions so as to increase the accessibility and safety for visually impaired persons.

ORGANIZATIONAL ACTIVITIES

Institutional Administrative Appointments

2014-2017 EMR Physician Champion, UMSOM
 2014-2017 Director, Ophthalmic Technician Education Program, UMSOM
 2014-2020 Residency Core Competency Committee, UMSOM
 2015-2020 Interviewer, Admissions Committee, UMSOM
 2015-2018 Perioperative Services Committee, UM-Midtown Hospital
 2017-2020 Chair, Infection Control Committee, UMSOM-Waterloo Campus
 2017-2020 Advisor, UM Scholars Program, UMSOM
 2018-2020 Assistant Director of Ophthalmology Clerkship, UMSOM
 2020-present Member, Patient Safety Committee, JHU School of Medicine

Editorial Activities

Journal Peer Review Activities

Invited reviewer for the following journals:

2010 Asian Journal of Ophthalmology
 2018 British Journal of Ophthalmology
 2018 American Journal of Ophthalmology
 2018 Ophthalmology
 2020 Ophthalmology Glaucoma

Advisory Committees

2012-present Executive Committee, Muslim Ophthalmology Society
 2014-2018 Pediatric Section Subcommittee, American Glaucoma Society
 2016-present Vision Rehab Committee, American Academy of Ophthalmology
 2017-present Education Division, American Academy of Ophthalmology
 2018-present Executive Committee, Maryland Society of Eye Physicians and Surgeons
 2018-present Government Relations Committee, ASCRS
 2018-present Program Committee Chair, EnVision Summit
 2020-present Patient Committee, World Glaucoma Association
 2020-present Patient Engagement Committee, American Glaucoma Society

Professional Societies

2005-present American Medical Association

Mona A. Kaleem, M.D.

2005-present National Medical Association
2005-present Islamic Medical Association of North America
2007-present American Association of Physicians of Indian Origin
2010-present American Academy of Ophthalmology
2010-present Association of Research in Vision and Ophthalmology
2012-present American Society of Cataract and Refractive Surgeons
2012-present Women in Ophthalmology
2012-present Muslim Ophthalmology Society
2013-present American Glaucoma Society
2015-present Maryland Society of Eye Physicians and Surgeons
2019-present World Glaucoma Association

Conference Organizer/Session Chair

Regional

2017 Moderator, ARVO, Surgery, Laser Therapy, and Wound Healing, Baltimore, MD
2017 Organizer, Baltimore Glaucoma Case Conference, Baltimore, MD
2018 Organizer, Baltimore Glaucoma Case Conference, Baltimore, MD
2019 Organizer, Baltimore Glaucoma Case Conference, Baltimore, MD
2020 Organizer, Baltimore Glaucoma Case Conference, Baltimore, MD
2021 Organizer, Baltimore Glaucoma Case Conference, Baltimore, MD
2021 Moderator, Maryland Society of Eye Physicians and Surgeons Annual Meeting, Virtual

National

2012 Moderator, ARVO, Visual Impairment and Visual Function, Ft. Lauderdale, FL
2016 Moderator, AAO, Keeping it Going: Strategies for Keeping Your Vision Rehab Practice Alive and Well, Chicago, IL
2017 Moderator, Technological Advancements in Vision Rehabilitation, AAO, New Orleans, LA
2018 Moderator, Computer and Social Networking Accessibility for the Visually Impaired, AAO, Chicago, IL
2019 Program Chair, Glaucoma Section, EnVision Summit, Puerto Rico
2019 Moderator, Vision Rehabilitation for Glaucoma, AAO, San Francisco, CA
2020 Program Chair, Glaucoma Section, EnVision Summit, Puerto Rico

RECOGNITION

Awards and Honors

2003 Dean's List, Smith College
2003 Office of Multicultural Affairs Prize, Smith College
2006 First Prize, Howard University College of Medicine Research Competition
2007 Trustees Scholarship, Howard University College of Medicine
2008 Trotman Memorial Scholarship, Howard University Medical Alumni Association
2008 Malcolm X Service Award, Howard University College of Medicine, Office of the Dean
2011 First Prize, Roger P. Mason Sr. Glaucoma Symposium
2011 First Prize, Howard University Hospital Clinical Day Presentation
2012 ARVO/Santen Travel Grant
2012 Third Place, Raab Venable Research Symposium
2013 Resident Excellence Award, ASCRS
2017 Second Place, Maryland Society of Eye Physicians and Surgeons Research Poster Symposium
2018 Top Doctor, Baltimore Magazine
2019 Top Doctor, Baltimore Magazine
2020 Achievement Award, American Academy of Ophthalmology

Invited Talks

Regional

- 2017 Speaker, Quality of Life Concerns for Glaucoma Patients, Maryland Society of Eye Physicians and Surgeons 11th Annual Combined Ophthalmic Convention, Baltimore, MD
- 2017 Speaker, Minimally Invasive Glaucoma Surgery, Washington D.C. Ophthalmological Society Annual Spring Meeting, Chevy Chase, MD
- 2017 Speaker, An Overview of Glaucoma, Grand Rounds, Harbor Hospital, Baltimore, MD
- 2017 Speaker, Quality of Life Concerns for Glaucoma Patients, Council on Optometric Practitioner Education, Annapolis, MD
- 2017 Speaker, Minimally Invasive Glaucoma Surgery, Maryland Optometric Association Annual Convention, Baltimore, MD
- 2018 Speaker, Low Vision 360: An Ophthalmologist's Clinical and Research Experience, ARVO Advocacy Meeting, Baltimore, MD
- 2018 Speaker, Social Media and It's Impact on Practice, Maryland Society of Eye Physicians and Surgeons 12th Annual Combined Ophthalmic Convention, Baltimore, MD
- 2018 Speaker, Low Vision Referral and the Glaucoma Doctor, Baltimore Washington Glaucoma Group Annual Meeting, Columbia, MD
- 2019 Panelist, Ophthalmology Survivor: What is the Future of Solo Practice, Single/Multispecialty Groups, University/Hospital Owned Practices, and Venture Capital Buyouts?, Current Concepts in Ophthalmology, Johns Hopkins Medical Institute, Baltimore, MD
- 2019 Speaker, Complementary and Alternative Medicine in Glaucoma, Maryland Society of Eye Physicians and Surgeons 13th Annual Combined Ophthalmic Convention, Baltimore, MD
- 2019 Speaker, An Overview of Glaucoma, Grand Rounds, Mercy Medical Center, Baltimore, MD.

National

- 2014 Speaker, Pediatric Ophthalmology Volunteer Experiences in Honduras, Lions Club International, Broadview Heights, OH
- 2014 Speaker, Novel Approaches in Challenging Glaucoma Surgical Cases, Roger P. Mason Sr. Glaucoma Symposium, Howard University Hospital, Washington D.C.
- 2018 Speaker, Evidence for Depression and Anxiety in the Visually Impaired, AAO Annual Meeting, Chicago, IL
- 2018 Speaker, Symptoms of Musculoskeletal Disorders in Maryland Ophthalmologists. ASCRS Annual Meeting, Washington D.C.
- 2018 Panelist, Glaucoma Today, Roger P. Mason Sr. Glaucoma Symposium, Howard University Hospital, Washington D.C.
Complementary and Alternative Medicine in Glaucoma, EnVision Summit, Puerto Rico
- 2019 Speaker, The Role of the Ophthalmologist in Referring Glaucoma Patients to Vision Rehabilitation Services, AAO Annual Meeting, San Francisco, CA
- 2020 Speaker, Low Vision Aids and Applications for Glaucoma Patients, EnVision Summit, Puerto Rico
- 2021 Speaker, How Should I Answer This Patient Question?, AGS Annual Meeting. Virtual.

International

- 2017 Speaker, Referral to Low Vision Services for Glaucoma Patients: Referral Criteria and Barriers, International Society for Low Vision Research and Rehabilitation: Vision 2017, The Hague, Netherlands
- 2019 Speaker, An Ophthalmologist's Guide to Low Vision Aids and Applications for Glaucoma Patients, World Glaucoma Congress, Melbourne, Australia
- 2020 Speaker, Evolution of Ophthalmology in the Islamic Era, Nagamia Institute of Islamic Medicine, International Zoom Broadcast Lecture
- 2021 Speaker, Five Things to Improve Your Care of Glaucoma Patients, World Glaucoma Congress, Virtual

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters

- 5/05 Single Nucleotide Polymorphisms of Valosin-Containing Protein in Alzheimer's Disease. NIH. Post Baccalaureate Intramural Research Training Award Fellow Poster Day, Bethesda, MD

Mona A. Kaleem, M.D.

- 8/06 Prevalence of the Metabolic Syndrome in Hypertension Patients in the Baltimore Cardiovascular Partnership Program. University of Maryland School of Medicine Summer Research Symposium, Baltimore, MD
- 5/11 Ocular Findings in HIV Positive Patients at Howard University Hospital. ARVO, Ft Lauderdale, FL
- 7/11 Ocular Findings in HIV Positive Patients in Washington D.C. in the HAART Era. NMA; Raab-Venable Program, New Orleans, LA
- 5/12 Visual Characteristics of Elderly Night Drivers. ARVO, Ft. Lauderdale, FL
- 5/13 The Utility of a Medical Student Run Glaucoma Screening Program. ARVO, Seattle, WA
- 5/15 Clinical Outcomes of Pars Plana Tubes. ARVO, Denver, CO
- 5/16 Pediatric Anterior Segment Ultrasound Biomicroscopy Image Analysis: Intra and Interobserver Agreement. ARVO, Seattle, WA
- 5/16 Referral to Low Vision Services for Glaucoma Patients. ARVO, Seattle, WA
- 5/16 Intraocular Pressure Changes after DSAEK. ARVO, Seattle, WA
- 5/17 Anterior Segment Growth from Infancy to Early Adulthood using UBM. ARVO, Baltimore, MD
- 5/17 Long-term Clinical Outcomes of Pars Plana Versus Anterior Chamber Placement of Glaucoma Tube Implants. ARVO, Baltimore, MD
- 5/17 Pain and Musculoskeletal Disorders Among Maryland Ophthalmologists. MSEPS, Hanover, MD
- 9/17 Referral to Low Vision Services for Glaucoma Patients. Third Annual Emerging Vision Scientists Congressional Reception, National Alliance for Eye and Vision Research, ARVO, Washington D.C.
- 10/18 Assessment of a Novel Open Access Tool for Automated Evaluation of Anterior Segment Structures in Patients with and without Glaucoma. AAO, Chicago, IL
- 3/19 Structural Changes of the Ciliary Body and Ciliary Processes Measured by Ultrasound Biomicroscopy of Primary Congenital Glaucoma in Comparison to Glaucoma Following Congenital Cataract Surgery. AAPOS, Washington D.C.
- 5/20 Characteristics of Glaucoma Patients Attending Low Vision Services, ARVO, Virtual
- 5/21 Complementary and Alternative Medicine for Glaucoma in Social Media, ARVO, Virtual
- 5/21 Attitudes and Perceptions Toward the Use of Medical Marijuana in the Management of Glaucoma, ARVO, Virtual
- 5/21 Characterization of Ophthalmic Disease in a Homeless Population from Baltimore, ARVO, Virtual

Community Service

- 2006-present Volunteer, MCC Free Community Medical Clinic
- 2008-present Volunteer, Student Sight Savers Program
- 2020-present Prevention of Blindness Society Glaucoma Task Force
- 2020-present Advisor, ViSION

Humanitarian/Philanthropic Activities

- 2010 Volunteer, University of Maryland Shock Trauma, Maryland in Haiti Relief Mission
- 2011 Volunteer, Virginia Hospital Center Brigade, Comayagua, Honduras