

CURRICULUM VITAE
The Johns Hopkins University School of Medicine

Elyse Joelle McGlumphy, MD

4/25/20

DEMOGRAPHIC AND PERSONAL INFORMATION

Current Appointments

2020-present Johns Hopkins Wilmer Eye Institute Assistant Professor of Ophthalmology
Glaucoma Division

Personal Data

Address	Ophthalmology Glaucoma Center of Excellence Maumenee B110 600 N Wolfe Street Baltimore MD 21287
Tel	(410) 955-6052
Fax	(410) 955-1985
Email	EMcGlum1@jhmi.edu
Email	ElyseJoelle@gmail.com

Education and Training

Undergraduate

2009 B.S., Biology, Washington College, Chestertown, MD;
Magna Cum Laude, Departmental Honors

Doctoral/Graduate

2015 M.D., University of Maryland School of Medicine, Baltimore, MD;
Magna Cum Laude

Postdoctoral

2016 Internship, Internal Medicine, Mercy Medical Center, University of Maryland
Baltimore, MD

2019 Residency, Ophthalmology, University of Maryland, Baltimore, MD
Chief Resident 2018-2019

2020 Fellowship, Glaucoma, Johns Hopkins Wilmer Eye Institute, Baltimore, MD

Professional Experience

2011 Research Assistant Johns Hopkins Wilmer Eye Institute Baltimore MD
Anterior Segment Dysgenesis Genetics Principal Investigator: John D Gottsch MD

2020-Present Assistant Professor of Ophthalmology

PUBLICATIONS

Original Research [OR]

1. Reed NS, Deal JA, Huddle MG, Betz JF, **McGlumphy EJ**, Eghrari AO, Riazuddin A, Lin FR, Gottsch JD. Audiometric hearing patterns in Fuchs corneal dystrophy. *J Speech Lang Hear Res.* 2018 Oct 26;61(10):2604-2608.
2. **McGlumphy EJ**, Margo JA, Haidara M, Brown CH, Hoover CK, and Munir WM. Predictive value of corneal donor demographics on endothelial cell density. *Cornea.* 2018 Sep;37(9):1159-1162.
3. Eghrari AO, Garrett BS, Mumtaz AA, Edalati AE, Meadows DN, **McGlumphy EJ**, Iliff BW, Gottsch JD. Retroillumination Photography Analysis Enhances Clinical Definition of Severe Fuchs Corneal Dystrophy. *Cornea.* 2015; 34(12):1623-6.
4. Riazuddin SA, Parker D, **McGlumphy EJ**, Oh, E, Iliff B, Schmedt T, Jurkunas U, Sclief R, Katsanis N, and Gottsch JD. Mutations in LOXHD1, a Recessive-Deafness Locus, Cause Dominant Late-Onset Fuchs Corneal Dystrophy. *Am J Hum Gen.* 2012; 9;90(3):533-9.
5. Eghrari AO, **McGlumphy EJ**, Iliff BW, Wang J, Emmert D, Riazuddin SA, Katsanis N, and Gottsch JD. Prevalence and Severity of Fuchs Corneal Dystrophy in Tangier Island. *Am J Ophthalmol* 2012;153(6):1067-72.
6. Riazuddin SA, **McGlumphy EJ**, Yeo WS, Wang J, Katsanis N, and Gottsch JD. Replication of the TCF4 Intronic Variant in Late-Onset Fuchs Corneal Dystrophy and Evidence of Independence from FCD2 Locus. *Invest Ophthalmol Vis Sci.* 2011; 52(5):2825-9.
7. **McGlumphy EJ**, Yeo WS, Riazuddin SA, Al-Saif A, Wang J, Eghrari AO, Meadows DN, Emmert D, Katsanis N, and Gottsch JD. Age-Severity Relationships in Families Linked to FCD2 with Retroillumination Photography. *Invest Ophthalmol Vis Sci.* 2010; 51(12):6298-302.

Case Reports [CR]

1. **McGlumphy EJ**, Malouf A, Grumbine FL. Image. An unusual presentation of orbital cellulitis: RGP contact lens retained for 14 years with erosion into the orbit. *Digital Journal of Ophthalmology.* 2018; 23:4.
2. **McGlumphy EJ**, Margo JA, and Jeng BH. Recurrent Corneal Erosions Secondary to Use of Sleep Mask. *McGlumphy EJ, Margo JA, and Jeng BH. Recurrent Corneal Erosions Secondary to Use of Sleep Mask. Eye Contact Lens.* 2018 Sep;44 Suppl 1:S368-S369.

Book Chapters [BK]

1. **McGlumphy EJ**, and Jeng BH. Use of Amniotic membrane in dry eye disease. In: Dr. Francis Mah and Dr. Michelle Rhee editors. *Dry Eye Disease: An Up-To-Date Practical Guide.* Thorofare, NJ. Slack Incorporated; 2019.

FUNDING

Educational/ Clinical Extramural Funding

2019 Harry Quigley Research Grant, Wilmer Research Grant Award 2019
Award Amount: 2,000. iCare Home Tonometry in Glaucoma Patients
Principal Investigator Thomas V Johnson, MD PhD

CLINICAL ACTIVITIES

Clinical Focus

My main focus is clinical research in glaucoma and studying factors related to intraocular pressure fluctuation, lowering therapy, and monitoring. Additionally, I am investigating the role of complementary medicine in glaucoma as a way to empower patients in their treatment. Another large aim of my research is focused on the role of telemedicine in glaucoma both to improve access to care and limit the number of in office visits for patients. I also participate in the evaluation and outcome of newer minimally invasive glaucoma procedures such as the Xen. Lastly, I am undertaking research in the clinical decision making process in glaucoma surgery in hopes of improving and standardizing decision for surgery among glaucoma practitioners.

Certification

2019 Basic Life Support (BLS) American Heart Association

Medical, other state/government licensure

2019 Maryland Medical License D0087413 Exp 1/31/2022

2019 Maryland State Controlled Substances License M99899 Exp 4/30/2022

2019 DEA License FM8440733 Exp 1/31/2022

2015 National Provider Identifier (NPI) 1609261460

Boards, other specialty certification

2020 American Board of Ophthalmology: Board Eligible (expected completion 2020)

Clinical Service

2020- Present Glaucoma Service- Wilmer Eye Institute, Johns Hopkins University Department of Ophthalmology

Clinical Productivity

2020- Present My targeted clinical effort is 70%

Clinical Draw

2020- Present Glaucoma Center of Excellence

Membership in or examiner for specialty board

2019 American Glaucoma Society: Member

Clinical program building/leadership

2018-2019 Chief Resident University of Maryland Department of Ophthalmology

EDUCATIONAL ACTIVITIES

CME Instruction

Current Concepts in Ophthalmology, Baltimore MD (Johns Hopkins CME)

12/6/19 Wilmer Eye Institute Current Concepts “Glaucoma Round Table with the Experts”

Baltimore Glaucoma Case Conference

4/2020 Surgical Management of Glaucoma using Xen in Patients with Scleritis

4/2019 Oculodentodigital Dysplasia and Glaucoma

4/2018 Psuedophakic Pupillary Block

Grand Rounds in Ophthalmology, Wilmer Eye Institute Baltimore MD

4/30/20 “A Low Blow” Diagnosis and Management of Cyclodialysis Clefts

Grand Rounds University of Maryland CME

10/11/16 “I’m Scratching My Eyes Out” Ekbom’s Syndrome

1/17/17 “Oncologic Oddity” Leptomeningeal Carcinomatosis

2/14/17 “Champagne Scotoma” Traumatic Macular Hole Management

4/11/17 “A Fungus Among Us” Endogenous Candida Endophthalmitis

8/8/17 “A Superior Spectacle” Orbital Cellulitis Due to Retained Contact Lens

12/19/17 Endophthalmitis After Cataract Surgery; Evidence Based Practices

1/20/18 Update on Ophthalmology Outreach 2018 Project Homeless Connect

8/21/18 “On the Flip Side” Sebaceous Cell Carcinoma Diagnosis and Treatment

12/4/18 “Ironing out the Wrinkles” Posterior Scleritis

2/26/19 “Plan as the Nose on your Face” Oculodentodigital Dysplasia and Glaucoma

5/14/19 “When the Skin Grows In” Ocular Surface Melanoma Management

Richard D Richards Research Symposium, University of Maryland CME

6/2019 Tear Film Characteristics in Patients on Topical Glaucoma Therapy

6/2018 Tear Film Osmolarity in Patients on Topical Glaucoma Therapy

6/2017 Glaucoma medication adherence and progression of visual fields over a decade in patients of the VA Maryland healthcare system.

Educational Program Building

2018-2019 Chief Resident University of Maryland Department of Ophthalmology

The program underwent significant educational remodeling under my direction with restructuring of educational activities, lectures, and wet labs.

RESEARCH ACTIVITIES

Research Focus

- iCare Home Tonometry Monitoring in Patients with Glaucoma
- Medical Decision Making in Glaucoma Surgery
- Novel Devices for Measurement of Intraocular Pressure
- Role of Complementary Medicine and Meditation Based Stress Reduction in Lowering of Intraocular Pressure in Glaucoma Patients
- Minimally Invasive Glaucoma Surgical Devices and Tube Shunts
- Telemedicine in Glaucoma

- Glaucoma Medication Efficacy and Administration

Research Demonstration Activities

- 2020- Present Wilmer Eye Institute, Johns Hopkins, Baltimore, MD
(Principal Investigators: Elyse McGlumphy, MD, Pradeep Ramulu MD PhD)
Examining the influence of mindfulness-based stress reduction in lowering of intraocular pressure in glaucoma patients.
- 2019- Present Wilmer Eye Institute, Johns Hopkins, Baltimore, MD
(Principal Investigators Pradeep Ramulu, MD PhD, Jithin Yohannan MD MPH) Determinants of visual field loss in clinically controlled glaucoma patients.
- 2019- Present Wilmer Eye Institute, Johns Hopkins, Baltimore, MD
(Principal Investigator: Thomas V. Johnson III, MD, Ph D)
Icare HOME tonometry monitoring in patients with glaucoma.
- 2019- Present Wilmer Eye Institute, Johns Hopkins, Baltimore, MD
(Principal Investigator: E. Randy Craven, MD)
Examining outcomes of Ab Externo versus Ab Interno Xen® Gel Stent implantation in uncontrolled glaucoma
- 2017-Present University of Maryland, Department of Ophthalmology, Baltimore, MD
(Principal Investigator: Ramya Swamy, MD, MPH)
Assessing tear osmolarity in patients with glaucoma on topical therapy.
- 2017-2019 University of Maryland, Department of Ophthalmology, Baltimore, MD
(Principal Investigator: Chimene Richa, MD)
Assessing healthcare disparities and no-show visits based on zip code in an academic ophthalmology clinic in Baltimore City, Maryland.
- 2016-2018 University of Maryland, Department of Ophthalmology, Baltimore MD
(Principal Investigator: Wuqaas Munir, MD)
Elucidating the predictive value of donor demographics on corneal transplant suitability
- 2013-2018 University of Maryland, Department of Ophthalmology, Baltimore MD
(Principal Investigator: Osamah Saeedi, MD)
Assessing adherence to glaucoma medications among a veteran population and its effect on visual outcomes.
- 2008-2012 Research Assistant, Wilmer Eye Institute, Johns Hopkins University, Baltimore, MD. Center for Corneal Genetics.
(Principal Investigator: John D. Gottsch, MD)
Elucidating the genetic and phenotypic variations in patients with inherited corneal diseases.

2008-2009 Student Thesis, Washington College, Chestertown, MD. Embryonic Toxicity of AFB1 on Zebrafish Larvae Danio rerio Vision and Morphology. (Principal Investigator: Martin Connaughton, Ph. D.)

SYSTEM INNOVATION AND QUALITY IMPROVEMENT ACTIVITIES

System Innovation Focus

Focus is on improving efficiency in glaucoma care and patient outreach as well as minimizing unnecessary patient visits through telemedicine.

System Innovation and Quality Improvement Efforts Outside of JHMI

2018 University of Maryland Medical System; Implemented protocol for inpatient hospital consultation on patient dilation. This protocol minimized unnecessary healthcare expenditures for urgent imaging studies obtained when pharmacologic dilation of in-patients was utilized and not properly communicated to members of the healthcare team.

2017 University of Maryland Medical Center; Midtown Hospital
Established protocol with Department of Endocrinology to facilitate same day diabetic eye examinations for individuals at high risk for diabetic retinopathy. This program reduced the risk of losing patients to follow-up and reduced the number of days missed at work in obtaining routine diabetic screenings.

ORGANIZATIONAL ACTIVITIES

Editorial Board Appointments

2020-Present Editorial Advisory Board Member, Ophthalmology Times

Professional Advocacy

2018 American Academy of Ophthalmology; Advocacy Ambassador

2018 Maryland Society of Eye Physicians and Surgeons; Resident Ambassador

Journal Peer Review Activities

2019-Present Peer Reviewer Ophthalmology Glaucoma

2019-Present Peer Reviewer American Journal of Ophthalmology

Other Peer Review Activities

2020 International Glaucoma Review 20-4
Commentary Elyse McGlumphy, MD and Pradeep Ramulu, MD PhD
Long-term regular exercise and intraocular pressure: the Hisayama Study; Fujiwara K, et al., Graefe's Archive for Clinical and Experimental Ophthalmology 2019; 257: 2461-2469.

Professional Societies

2019-Present American Glaucoma Society

2017-Present Women in Ophthalmology

2017-Present Maryland Society of Eye Physicians and Surgeons

2016-Present American Academy of Ophthalmology

2009-Present Association of Vision and Research in Ophthalmology

2011-Present American Medical Association

RECOGNITION

Awards, Honors

- 2019 The Harry Quigley Research Grant Award; Wilmer Research Grant Award
- 2019 Malouf Resident Research Award
- 2019 Greater Baltimore Medical Center Outstanding Resident Award
- 2018-2019 Chief Resident; University of Maryland Ophthalmology Residency Program
- 2018 Women in Ophthalmology: Annual Summer Meeting; Top 10 Research Poster
- 2018 Nominated and selected for Telluride Academy for Patient Safety
- 2017 Malouf Resident Research Award
- 2017 Maryland Society of Eye Physicians and Surgeons; Annual Meeting
1st Place, Resident Research Poster Presentation Contest
- 2017 Gold Pin Recipient: Patient nominated award for outstanding service
- 2016 Women in Surgery; Invited to speak on panel for medical student career planning
- 2015 Inaugural Recipient: The Richard Sussel Award for Outstanding Clinical
Performance in Ophthalmology
- 2015 George Frick Award for Excellence in Research in Ophthalmology
- 2014 Alpha Omega Alpha, Beta Chapter
- 2009 Phi Beta Kappa; Theta Chapter
- 2009 Society of Toxicology; Undergraduate Research Education Awardee
- 2008 Douglas Cater Society of Junior Fellows Research Grant Recipient
- 2007-2009 Beta Beta Beta Biological Honor Society; Rho Iota Chapter
- 2007-2009 Douglas Cater Society of Junior Fellows
- 2006-2009 Washington College Academic Scholarship

Invited Talks

- 2020 Implanted Intraocular Lens Induced Glaucomas, Grand Rounds Invited Speaker at
University of Maryland, Baltimore, MD. January 28, 2020.
- 2018 Ocular Manifestations of Rheumatologic Disease, Department of Rheumatology Grand
Rounds Invited Speaker, University of Maryland, Baltimore MD. December 4, 2018.

OTHER PROFESSIONAL ACCOMPLISHMENTS

Posters

1. Elyse McGlumphy MD and Ramya Swamy MD MPH. Tear Film Characteristics in Patients
on Chronic Topical Glaucoma Therapy. Women in Ophthalmology Annual Meeting. Ponte
Vedra Beach, FL. Aug 2018
2. Elyse McGlumphy MD, Jordan Margo MD, Moulaye Haidara MD, Clayton Brown PhD,
Caroline K Hoover CEBT, and Wuqaas Munir MD. The Predictive Value of Donor
Demographics on Corneal Endothelial Cell Density. MSEPS Annual Meeting. Baltimore,
MD. May 2017.
3. Elyse McGlumphy MD, Jordan Margo MD, Moulaye Haidara MD, Clayton Brown PhD,
Caroline K Hoover CEBT, and Wuqaas Munir MD. The Predictive Value of Donor
Demographics on Corneal Endothelial Cell Density. ARVO Annual Meeting. Baltimore,
MD. May 2017.

4. McGlumphy EJ, Saeedi, OJ. Glaucoma medication adherence and progression of visual fields over a decade in patients of the VA Maryland healthcare system. ARVO Annual Meeting, Denver, CO, 2015.
5. McGlumphy EJ, Yeo WS, Riazuddin SA, Al-Saif A, Wang J, Eghrari AO, Meadows DN, Emmert D, Katsanis N, and Gottsch JD. Age-Severity Relationships in Families Linked to FCD2 with Retroillumination Photography. Invest Ophthalmol Vis Sci. 2010. ARVO Annual Meeting, Fort Lauderdale, FL, May 2010.
6. McGlumphy EJ, Yeo WS, Riazuddin SA, Al-Saif A, Wang J, Eghrari AO, Meadows DN, Emmert D, Katsanis N, and Gottsch JD. Age-Severity Relationships in Families Linked to FCD2 with Retroillumination Photography. Invest Ophthalmol Vis Sci. 2010. Johns Hopkins School of Medicine, Wilmer Research Meeting, Baltimore, MD, April, 2010.
7. McGlumphy EJ, Connaughton M. Embryonic Toxicity of Aflatoxin B1 on Zebrafish Larvae, Danio Retio, Development and Visual Behaviors. Sigma Xi Research Symposium, Saint Joseph's University, Philadelphia, PA, April, 2009.

Oral Podium Presentations

1. Surgical Management of Glaucoma in Scleritis. Baltimore Glaucoma Case Conference. Baltimore, MD. April 2020.
2. Elyse McGlumphy MD and Ramya Swamy MD MPH. Tear Film Assay for Matrix Metalloproteinase 9 in Patients on Chronic Topical Glaucoma Therapy. Richard D Richards Research Symposium, Baltimore, MD. 2019
3. Oculodentodigital Dysplasia and Glaucoma. Baltimore Glaucoma Case Conference. Baltimore, MD. April 2019
4. Elyse McGlumphy MD and Ramya Swamy MD MPH. Tear Film Characteristics in Patients on Chronic Topical Glaucoma Therapy. Richard D Richards Research Symposium. Baltimore, MD. June 2018.
5. Pseudophakic pupillary block, case presentation. Baltimore Glaucoma Case Conference. Baltimore, MD. May 2018.
6. McGlumphy EJ, Saeedi, OJ. Glaucoma medication adherence and progression of visual fields over a decade in patients of the VA Maryland healthcare system. Richard D Richards Research Symposium. Baltimore, MD. June 2017.
7. CMV Retinitis; Retina Case Series Conference. University of Maryland Department of Ophthalmology. October 2016.

Community Services

2019 Johns Hopkins Sight Savers Physician Supervisor
 2018 Healthcare for the Homeless: Ophthalmology Clinic Services/Staffing

2014-2017 Project Homeless Connect, Baltimore MD; Volunteer
2016 Mondawmin Mall Community Vision Screening
2014 AOA: Medical Student Research Symposium: Poster Presentation Judge
2013 American Heart Association Heart Walk: Fundraising and Participant
2011-2013 Student Sight Savers Community Glaucoma Screening
2011-2012 Southwest Baltimore Charter School: Peer Mentor
2009 The Alley in Chestertown, Maryland: Tutor and Peer Mentor
2009 Women in Need in Chestertown, Maryland: Volunteer and Fundraising