CURRICULUM VITAE

Jennifer Landrigan Patnaik, PhD, MHS

Assistant Professor, Ophthalmic Epidemiology

Department of Ophthalmology

University of Colorado School of Medicine

1675 Aurora Court, Mail Stop F-731

Aurora, CO 80045

Jennifer.Patnaik@ucdenver.edu

[www.eyeinstitute.org](http://www.eyeinstitute.org)

Office Phone: 720-848-5030

Administration Fax: 720-848-4043

**EDUCATION**

1991 – 1995 Bachelor of Arts: Chemistry, Economics

Connecticut College

New London, CT

*American Chemical Society Certified*

## 1996 – 1998 Master of Health Science: Occupational and Environmental Epidemiology

Johns Hopkins University, Bloomberg School of Public Health

Baltimore, MD

2004 – 2010 Doctor of Philosophy: Epidemiology

Colorado School of Public Health, University of Colorado

Denver, CO

Advisor: Tim Byers, MD, MPH

Dissertation: Impact of comorbidities on survivorship among persons diagnosed with cancer

Funding: National Cancer Institute, P20 CA103680, Aging & Cancer Program, 7/1/2007-6/30/2009

**ACADEMIC APPOINTMENTS**

2012 – 2014 Instructor, Department of Epidemiology, Colorado School of Public Health, University of Colorado Denver, Denver, CO

* Director, Unified State Youth Health Survey – built new surveillance system for the state of Colorado
* Lead investigator, Eagle County Latino evaluation project and Strategic Tobacco Indicators
* Co-lead investigator, Influential Factors on Health Living (IFHL), survey includes marijuana topics
* Co-lead investigator, evaluation technical assistance for Amendment 35 grantees

2017 – 2019 Instructor, Department of Ophthalmology, Division of Ophthalmic Epidemiology, University of Colorado School of Medicine, Aurora, CO

2019 – Volunteer Faculty, Orbis International

2019 – Assistant Professor, Secondary appointment, Department of Epidemiology, Colorado School of Public Health, University of Colorado Denver, Denver, CO

2019 – Assistant Professor, Primary appointment, Department of Ophthalmology, Division of Ophthalmic Epidemiology, University of Colorado School of Medicine, Aurora, CO

* Lead the statistical analyses of data for conference presentations and manuscript preparation in the Department of Ophthalmology.
* Lead data management for several registries in the Department.
* Mentor physicians, fellows, and residents seeking support with their research activities.

**PROFESSIONAL EXPERIENCE**

1997 – 2001 Research Assistant, Johns Hopkins University, Bloomberg School of Public Health, Baltimore, MD

* Worked on a variety of projects with faculty in the Department of Epidemiology, including recruiting participants from mobile needle exchange vans for study interview, enter and analyze data for nutrition and tobacco-related projects.

1998 – 2000 Research Statistician, HIV/AIDS Administration, Department of Health and Mental Hygiene, State of Maryland, Baltimore, MD

* Designed and conducted epidemiologic, statistical, and health services research studies utilizing confidential HIV/AIDS surveillance registries and Medicaid eligibility files.
* Disseminated research findings through formal presentations, reports, and professional papers.

2000 – 2002 Epidemiology Coordinator, HIV/STI, Denver Public Health, Denver Health Authority, Denver, CO

* Created behavioral risk survey instruments; developed and maintained confidential database management systems.
* Conducted statistical analyses and assisted with writing manuscripts.

2002 – 2007 Epidemiology Program Manager, Division of Epidemiology, Planning and Communication, Tri-County Health Department, Greenwood Village, CO

* Successfully built epidemiology program; hired and trained a team of eight staff.
* Supervised epidemiology, health planning, and disease control.
* Collaborated with local, state, and national agencies for bioterrorism investigation response planning, disease control, outbreak investigations, and data projects.
* Designed and coordinated epidemiology-based research studies for the department on a wide variety of public health and environmental topics; including aspects of data collection, study design, program evaluation, analysis and interpretation of health data.

2008 – 2012 Independent Contractor

* Worked independently for several organizations on a project basis: Colorado School of Public Health, Tri-County Health Department, Boulder County Health Department, Metro-Care Provider Network.
* Examples include grant writing, GIS analysis, program evaluation, emergency preparedness plans and exercises, data analysis, sample survey weighting and analysis, and manuscript preparation.

2016 – 2017 Epidemiologist, Viral Hepatitis (temporary 9-month position), Colorado Department of Public Health and Environment, Denver, CO

* Analyze statewide hepatitis surveillance data and disseminate via reports and white papers
* Contribute to writing grants for hepatitis prevention, epidemiology and surveillance funding

**HONORS**, **AWARDS AND RECOGNITION**

1995 Certified Degree in Chemistry, American Chemical Society

1999 Extraordinary Employee Award, Maryland AIDS Administration

2003 Summit Employee Award, Tri-County Health Department, Greenwood Village, CO

2006 Summit Employee Award, Tri-County Health Department, Greenwood Village, CO

2021 Selected to participate in the Seventh Annual Emerging Vision Scientists program

2021 Research to Prevent Blindness/American Academy of Ophthalmology Award for IRIS Registry Research

2021 Phillip Ellis Award for Research

**PROFESSIONAL MEMBERSHIPS**

1999-2000 American Public Health Association (APHA)

2002-2014 Colorado Public Health Association (CPHA)

2017-2020 American Academy of Ophthalmology (AAO)

2017-2021 Association for Research in Vision and Ophthalmology (ARVO)

## Editorial Services to Scholarly Publications

**Reviewer**  
Ad hoc Journal review of select articles including BMC Ophthalmology, British Medical Journal, Preventive Medicine, Journal of AAPOS, Ophthalmology and Therapy, International Journal of Environmental Research and Public Health.

## SKILLS

* Proficient in advanced epidemiologic principles, biostatistical methods, Big Data, and complex survey design.
* Knowledgeable and experienced in grant & manuscript writing, oral presentations, and all aspects of study design, data collection, surveillance, data management and statistical analysis.

**COMPUTER SKILLS**

* ArcGIS
* CDC Epi Info
* IBM SPSS Statistics
* Microsoft Office: Word, WordPerfect, Excel, Access, PowerPoint
* Microsoft Visio
* Microsoft Visual FoxPro
* PASS
* R
* SAS
* STATA
* SUDAAN

**CERTIFICATION**

1999 Certificate, Qualitative Research

2002 Certificate, SUDAAN Programming

2003 Certificate, Introduction to ArcGIS

2020 Certificate, Career Cornerstones

**TEACHING AND MENTORSHIP**

**Teaching**

1997 Teaching Assistant, Introduction to Epidemiology, Department of Epidemiology, Johns Hopkins University, Bloomberg School of Public Health

2004 Tutor, Introduction to Epidemiology, Department of Epidemiology, Johns Hopkins University, Bloomberg School of Public Health

2005 Teaching Assistant, Introduction to Epidemiology, Department of Epidemiology, University of Denver

2004 Training for Tri-County Health Department staff, Introduction to EpiInfo

2006 Training for Tri-County Health Department staff, Introduction to SAS software

2008 Training for Tri-County Health Department staff, Conducting Data Analysis for Disease Outbreaks

2018- Training for Ophthalmology Residents, Research Databases, Division of Ophthalmic Epidemiology

**Mentorship**

I have mentored and co-mentored 16 students from the Colorado School of Public Health and University of Colorado School of Medicine, and 25 residents, fellows, and faculty in the Department of Ophthalmology.

**RESEARCH INTERESTS**

* Disparities in Ophthalmology
* Retinopathy of Prematurity
* Age-related Macular Degeneration
* Cataract Surgery Outcomes
* Glaucoma
* Global Ophthalmology
* Utilization of Artificial Intelligence in Ophthalmology
* Big Data

**RESEARCH SUPPORT**

**Current Research Support**

1. ONL Therapeutics, 18-1889, Mandava (PI): **Cross-sectional study of visual function and retinal imaging in patients following surgically-repaired Macula-off retinal detachment.** Role: Co-investigator, 02/12/2017-08/31/2023.
2. Center for Children’s Surgery, Children’s Hospital Colorado, Lynch (PI): **Retinopathy of prematurity (ROP) Registry.** Role: Co-investigator, 03/01/2010-02/28/2022.
3. Frederic C. Hamilton Macular Degeneration Center, Mandava (PI): **Age-related macular degeneration and biomarkers.** Role: Co-investigator, 08/01/2017-06/30/2022.
4. Sue Anschutz-Rodgers Research Fund, Mandava (PI): **Retinal Disease and biomarkers.** Role: Co-investigator, 08/01/2017-06/30/2022.
5. Fight for Sight, North American Neuro-ophthalmology, Paez (PI): **Neuroscreen in AMD Control Study.** Role: Co-investigator, 08/01/2017-06/30/2022.
6. National Institute of Health, National Eye Institute, **Biomarkers of Systemic Inflammation in Intermediate Age-Related Macular Degeneration.** Role: Co-investigator, 05/01/2021-04/30/2025.
7. Research to Prevent Blindness/American Academy of Ophthalmology Award for IRIS Registry Research. **Epidemiology and risk factors for acanthamoeba keratitis.** Role: Principal Investigator, 09/01/2021-08/31/2023.

**Prior Research Support**

1. National Cancer Institute, Aging & Cancer Program, P20 CA103680, Dabelea (PI): **Impact of comorbidities on survivorship among persons diagnosed with cancer** Role: Co-investigator for my dissertation, $25,000, 07/01/2007-06/30/2009.
2. CO Department of Public Health and Environment, 13 FLA 53045, Levinson (PI): **Healthy Kids Colorado Survey**, Role: Co-Principal Investigator, $400,000, 07/01/12-09/01/14.

* Collect behavioral health surveillance data from middle and high school students in Colorado, weight data to represent the whole state, analyze and present data. My role was oversight of the grant requirements, including sample selection, recruitment, data collection and analysis, and report writing.

1. CDC Prevention and Public Health Fund, NB010T009114, CDPHE (PI): **Preventive Health and Health Services Block Grant**, Role: Consultant, $100,000, 04/01/16-01/01/17.

* This funding supports HCV surveillance and epidemiologic analysis, including outbreak detection. My role was to analyze data and write a comprehensive surveillance report.

1. National Eye Institute (NEI), 5 R01 EY021137 03, Binenbaum (PI): **Postnatal growth and retinopathy of prematurity (G-ROP)**, Role: Data Analyst, $50,000, 2012-2017.

* To develop a prognostic model using postnatal weight gain for severe ROP.

**PUBLICATIONS**

**Chapters (invited)**

1. Ghosh TS, **Patnaik JL**, Vogt RL. Natural Disasters and Public Health, Hurricanes Katrina, Rita and Wilma. Brennan VM, editor. Baltimore, MD: Johns Hopkins University Press; 2009. Chapter 14, Rapid Needs Assessment among Hurricane Katrina Evacuees in Metro-Denver.

**Peer-Reviewed Publications**

1. Ching S, **Landrigan JA**, Jorgensen ML. Sol-gel synthesis of birnessite from KMnO4 and simple sugars*. Chemistry of materials:* a publication of the American Chemical Society. 1995 September; 7(9):1604-06.
2. Correa A, **Landrigan J**, Escamilla JA. Epidemiology of asthma. *BioMedicina.* 1998;1(6):209-214.
3. Solomon L, **Landrigan J**, Flynn C, Benjamin GC. Barriers to HIV testing and confidentiality: the concerns of HIV-positive and high-risk individuals. *AIDS Public Policy J.* 1999 Winter;14(4):147-56. PubMed PMID: 11148945.
4. Rietmeijer CA, Bull SS, McFarlane M, **Patnaik JL**, Douglas JM Jr. Risks and benefits of the internet for populations at risk for sexually transmitted infections (STIs): results of an STI clinic survey. *Sex Transm Dis.* 2003 Jan;30(1):15-9. PubMed PMID: 12514436.
5. Rietmeijer CA, **Patnaik JL**, Judson FN, Douglas JM Jr. Increases in gonorrhea and sexual risk behaviors among men who have sex with men: a 12-year trend analysis at the Denver Metro Health Clinic. *Sex Transm Dis.* 2003 Jul;30(7):562-7. PubMed PMID: 12838084.
6. Shlay JC, McClung MW, **Patnaik JL**, Douglas JM Jr. Comparison of sexually transmitted disease prevalence by reported level of condom use among patients attending an urban sexually transmitted disease clinic. *Sex Transm Dis.* 2004 Mar;31(3):154-60. PubMed PMID: 15076927.
7. Shlay JC, McClung MW, **Patnaik JL**, Douglas JM Jr. Comparison of sexually transmitted disease prevalence by reported condom use: errors among consistent condom users seen at an urban sexually transmitted disease clinic. *Sex Transm Dis*. 2004 Sep;31(9):526-32. PubMed PMID: 15480113.
8. Alberg AJ, **Patnaik JL**, May JW, Hoffman SC, Gitchell J, Comstock GW, Helzlsouer KJ. Nicotine replacement therapy use among a cohort of smokers. *J Addict Dis.* 2005;24(1):101-13. PubMed PMID: 15774414.
9. Centers for Disease Control and Prevention (CDC). Illness surveillance and rapid needs assessment among Hurricane Katrina evacuees--Colorado, September 1-23, 2005. *MMWR Morb Mortal Wkly Rep.* 2006 Mar 10;55(9):244-7. PubMed PMID: 16528233.
10. **Patnaik JL**, Harmon H, Vogt RL. Follow-up of 2003 human West Nile virus infections, Denver, Colorado. *Emerg Infect Dis.* 2006 Jul;12(7):1129-31. PubMed PMID: 16836833; PubMed Central PMCID: PMC3291048.
11. **Patnaik JL**, Dippold L, Vogt RL. Hepatitis A in a food worker and subsequent prophylaxis of restaurant patrons. *J Environ Health.* 2006 Jul-Aug;69(1):16-8, 24, 26. PubMed PMID: 16910104.
12. Vogt RL, Spittle R, Cronquist A, **Patnaik JL**. Evaluation of the timeliness and completeness of a Web-based notifiable disease reporting system by a local health department. *J Public Health Manag Pract.* 2006 Nov-Dec;12(6):540-4. PubMed PMID: 17041302.
13. Ghosh TS, **Patnaik JL**, Vogt RL. Rapid needs assessment among Hurricane Katrina evacuees in metro-Denver. *J Health Care Poor Underserved.* 2007 May;18(2):362-8. PubMed PMID: 17483564.
14. Ghosh TS, **Patnaik JL**, Bennett A, Trefren L, Vogt RL. Assessment of missing immunizations and immunization-related barriers among WIC populations at the local level. *Public Health Rep.* 2007 Sep-Oct;122(5):602-6. PubMed PMID: 17877307; PubMed Central PMCID: PMC1936967.
15. **Patnaik JL**, Juliusson L, Vogt RL. Environmental predictors of human West Nile virus infections, Colorado. *Emerg Infect Dis.* 2007 Nov;13(11):1788-90. PubMed PMID: 18217573; PubMed Central PMCID: PMC3375805.
16. Ghosh TS, **Patnaik JL**, Alden NB, Vogt RL. Internet- versus telephone-based local outbreak investigations. *Emerg Infect Dis.* 2008 Jun;14(6):975-7. PubMed PMID: 18507919; PubMed Central PMCID: PMC2600312.
17. DeGolier L, Ledin K, Vargulich G, **Patnaik JL**, Wilson B, Vogt RL. Assessment of shellfish practices in licensed retail food establishments in response to increased Vibrio illnesses in a landlocked area. *J Environ Health.* 2009 Oct;72(3):24-7; quiz 38. PubMed PMID: 19882988.
18. Boehmer TK, **Patnaik JL**, Burnite SJ, Ghosh TS, Gershman K, Vogt RL. Use of hospital discharge data to evaluate notifiable disease reporting to Colorado's Electronic Disease Reporting System. *Public Health Rep.* 2011 Jan-Feb;126(1):100-6. PubMed PMID: 21337935; PubMed Central PMCID: PMC3001805.
19. **Patnaik JL**, Byers T, DiGuiseppi C, Dabelea D, Denberg TD. Cardiovascular disease competes with breast cancer as the leading cause of death for older females diagnosed with breast cancer: a retrospective cohort study. *Breast Cancer Res.* 2011 Jun 20;13(3):R64. PubMed PMID: 21689398; PubMed Central PMCID: PMC3218953.
20. **Patnaik JL**, Byers T, DiGuiseppi C, Denberg TD, Dabelea D. The influence of comorbidities on overall survival among older women diagnosed with breast cancer. J *Natl Cancer Inst.* 2011 Jul 20;103(14):1101-11. PubMed PMID: 21719777; PubMed Central PMCID: PMC3139585.
21. Byers T, **Patnaik JL**. Missed opportunities for chronic disease prevention after breast cancer. Womens Health (Lond). 2011 Nov;7(6):619-21. PubMed PMID: 22040202.
22. Levinson AH, **Patnaik JL**. A practical way to estimate retail tobacco sales violation rates more accurately. *Nicotine Tob Res.* 2013 Nov;15(11):1952-5. PubMed PMID: 23817583.
23. Singh J, Lovelace K, **Patnaik JL**, Enzenauer RW. Pediatric Ophthalmology Fellowship Survey: Fellows Selection Criteria for Training Programs*. Journal of Academic Ophthalmology.* 2018;10(1):e140-142.
24. Manoharan N, **Patnaik JL**, Bonnell LN, SooHoo JR, Pantcheva MB, Kahook MY, Wagner BD, Lynch AM, Seibold LK. Refractive outcomes of phacoemulsification cataract surgery in glaucoma patients. *J Cataract Refract Surg.* 2018 Mar;44(3):348-354. PubMed PMID: 29605284.
25. Petty ST, **Patnaik JL**, Bonnell L, Lynch AM, Davidson RS, Petty JS. Effects of three eye glass frame designs on relative humidity and temperature measured over the cornea. *Journal of Dry Eye Disease.* 2018 May 23;1(1):e22-27.
26. Sieck E, Epstein RS, Kennedy JB, Soohoo JR, Pantcheva MB, **Patnaik JL**, Wagner BD, Lynch AM, Kahook MY, Seibold LK. Outcomes of Kahook Dual Blade Goniotomy with and without phacoemulsification cataract extraction. *Ophthalmol Glaucoma.* 2018 Jul-Aug;1(1):75-81. PubMed PMID: 32672636.
27. Qiu H, Fischer NA, **Patnaik JL**, Jung JL, Singh JK, McCourt EA. Frequency of pediatric traumatic cataract and simultaneous retinal detachment. *J AAPOS.* 2018;22(6):429-432. PubMed PMID: 30366052.
28. Lynch AM, Wagner BD, Weiss SJ, Wall KM, Palestine AG, Mathias MT, Siringo FS, Cathcart JN, **Patnaik JL**, Drolet DW, Janjic N, Mandava N. Proteomic profiles in advanced age-related macular degeneration using an aptamer-based proteomic technology. *Transl Vis Sci Technol.* 2019;8(1):14. PubMed PMID: 30697465.
29. **Patnaik JL**, Pecen PE, Hanson K, Lynch AM, Cathcart JN, Siringo FS, Mathias MT, Mandava N. Driving and visual acuity in patients with age-related macular degeneration (AMD). *Ophthalmol Retina.* 2019 Apr;3(4):336-42. PubMed PMID: 31014686.
30. Lynch AM, **Patnaik JL**, Cathcart JN, Mathias MT, Siringo FS, Lacey Echalier E, Wagner BD, Oliver SCN, Pecen PE, Olson JL, Fine SL, Palestine AG, Mandava N. Colorado Age-Related Macular Degeneration Registry: Design and Clinical Risk Factors of the Cohort. *Retina.* 2019;39(4):656-663. PubMed PMID: 29283981.
31. Ahmad M, **Patnaik JL**, Thevarajah T, Cathcart J, Jung J, Sing J, Braverman R, Lynch AM, McCourt E. Delayed resolution of retinopathy of prematurity. *J AAPOS.* 2019 Apr;23(2):90:e1-90. PubMed PMID: 30772472.
32. Epstein RS, Scott AT, Capitena Young CE, **Patnaik JL**, Pantcheva MB, SooHoo JR, Kahook MY, Seibold LK. Optimal time for angle visualization in ab interno glaucoma surgery: Before or after phacoemulsification. *J Cataract Refract Surg.* 2019 May;45(5):615-19. PubMed PMID: 31030776.
33. Gelston C, **Patnaik JL**. Ophthalmology training and competency levels in care of patients with ophthalmic complaints in the United States internal medicine, emergency medicine, and family medicine residents. *J Educ Eval Health Prof.* 2019;16:25. PubMed PMID 31461804.
34. Sieck EG, Capitena-Young CE, Epstein RS, SooHoo JR, Pantcheva MB, **Patnaik JL**, Lynch AM, Kahook MY, Seibold LK. Refractive outcomes among glaucoma patients undergoing phacoemulsification cataract extractions with and without Kahook Dual blade goniotomy. *Eye Vis* (lond). 2019;6:28. PubMed PMID: 31548974.
35. Mackin AG, Pecen PE, Dinsmore AL, **Patnaik JL**, Gonzalez R, Robinson WA, Palestine AG. Inflammatory side effects of BRAF and MEK inhibitors. *Melanoma Res.* 2019 Oct;29(5):522-26. PubMed PMID: 30870269.
36. Reddy AK, **Patnaik JL**, Lynch AM, Miller DC, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. *Am J Ophthalmol. 2019*;206:82-86. PubMed PMID: 30794788.
37. Manoharan N, **Patnaik JL**, Olson JL. Increased complement levels in human vitreous aspirates of proliferative diabetic retinopathy and retinal detachment eyes. *Retina.* 2019;39(100):2212-2218. PubMed PMID: 30148749.
38. Weldy E, Shimoda A, **Patnaik JL**, Singh J. Long-term visual outcomes following abusive head trauma with retinal hemorrhage. *J AAPOS.* 2019;23(6):329.e1-329.e4. PubMed PMID: 31655114.
39. Christopher KL, Miller DC, **Patnaik JL**, Lynch AM, Davidson RS, Taravella MJ. Comparison of visual outcomes of extended depth of focus lenses in patients with and without previous laser refractive surgery. *J Refract Surg.* 2020 Jan 1;36(1):28-33. PubMed PMID: 31917848.
40. Lynch AM, Palestine AG, Wagner BD, **Patnaik JL**, Frazer-Abel AA, Mathias MT, Siringo FS, Holers VM, Mandava N. Complement factors and reticular pseudodrusen in intermediate age-related macular degeneration staged by multi-modal imaging. *BMJ Open Ophthalmol.* 2020;5(1):e000361. PubMed PMID: 32509962.
41. Geiger MD, Smith JM, Lynch AM, **Patnaik JL**, Oliver SCN, Dixon JA, Mandava N, Palestine AG. Predictors for recovery of macular function after surgery for primary macula-off rhegmatogenous retinal detachment. *Int Ophthalmol.* 2020;40(3):609-616. PubMed PMID: 31768813.
42. Ahmed M, Whitestone N, **Patnaik JL**, Hossain MA, Husain L, Alauddin M, Rahaman M, Cherwek DH, Congdon N, Haddad D. Burden of eye disease and demand for care in the Bangladesh Rohingya displaced population and host community: A cohort study. *PLoS Med.* 2020;17(3):e1003096. PubMed PMID: 32231365.
43. **Patnaik JL**, Lynch AM, Wagner BD, Echalier EL, Kohrt WM, Mathias MT, Siringo FS, Palestine AG, Mandava N. Hormone therapy as a protective factor for age-related macular degeneration. *Ophthalmic Epidemiol.* 2020;27(2):148-154. PubMed PMID: 31813321. [Article Link](https://library-cuanschutz.hosted.exlibrisgroup.com/primo-explore/openurl?sid=Entrez:PubMed&id=pmid:31813321&vid=01UCOHS&institution=01UCOHS&url_ctx_val=&url_ctx_fmt=null&isSerivcesPage=true)
44. Siegel DT, Ertel MK, **Patnaik JL**, Awadallah NS, Capitena Young CE, Seibold LK, Kahook MY. Acute ocular effects of sphenopalatine ganglion nerve block. *J Curr Glaucoma Pract.* 2020;14(2):57-60. PubMed PMID: 33304060.
45. **Patnaik JL**, Kahook MY. Long-term follow-up and clinical evaluation of light-adjustable intraocular lens implanted after cataract removal: 7-year results. *J Cataract Refract Surg. 2020* Jun; 46(6): 929. PubMed PMID: 32541421.
46. Carpentier SJ, Jung JL, **Patnaik JL**, Pecen PE, Palestine AG. A cross-sectional online survey identifies subspecialty differences in the management of pediatric cataracts associated with uveitis. *Ophthalmol Ther.* 2020;9(2):293-303. PubMed PMID: 32157612.
47. Fischer NA, Kahook MY, Abdullah S, Porteous E, Ammar DA, **Patnaik JL**, Soohoo JR. Effect of novel design modification fibrotic encapsulation: an in vivo glaucoma drainage device study in a rabbit model. *Ophthalmol Ther.* 2020;9(2):279-291. PubMed PMID: 32152939.
48. Sieck EG, Madabhushi A, **Patnaik JL**, Jung JL, Lynch AM, Singh JK. Comparison of different surgical approaches to inferior oblique overaction. *J Binocul Vis Ocul Motil.* 2020;70(3):89-93. PubMed PMID: 32511077.
49. Ryburn C, **Patnaik JL**, Miller DC, Alexander J, Lynch AM, Davidson RS, Taravella MJ. What is the cost of a posterior capsular rupture complication. *Ophthalmic Surg Lasers Imaging Retina.* 2020;51(8):444-4447. PubMed PMID: 32818276.
50. Lynch AM, Mandava N, **Patnaik JL**, Frazer-Abel AA, Wagner BD, Palestine AG, Mathias MT, Siringo FS, Cathcart JN, Holers VM. Systemic activation of the complement system in patients with advanced Age-related Macular Degeneration. *Eur J Ophthalmol. 2020*;30(5):1061-1068. PubMed PMID: 31203676.
51. Mandava N, Tirado-Gonzalez V, Geiger MD, **Patnaik JL**, Frazer-Abel A, Lynch AM, Mandava N, Palestine AG, Holers VM, Wagner BD, Sanchez-Santos I, Meizner D, Quiroz-Mercado H, Smith JM. Complement activation in the vitreous of patients with proliferative diabetic retinopathy. *Invest Ophthalmol Vis Sci.* 2020;61(11):39. PubMed PMID: 32965482.
52. Lynch AM, Wagner BD, Palestine AG, Janjic N, **Patnaik JL**, Mathias MT, Siringo FS, Mandava N. Plasma biomarkers of reticular pseudodrusen and the risk of progression to advanced age-related macular degeneration. *Transl Vis Sci Technol.* 2020 Sep;9(10):12. PubMed PMID: 32974084.
53. Sieck EG, Zukin L, **Patnaik JL**, Lynch AM, Kelly P, Singh JK. Cost comparison of different treatment approaches to dacryocystitis and dacrocystocele. *Ther Adv Ophthalmol*. 2020;12. PubMed PMID: 3310355.
54. Weldy EW, Stanley J, Koduri VA, McCourt EA, **Patnaik JL**, Kahook MY, Seibold LK. Perceptions of marijuana use for glaucoma from patients, cannabis retailers, and glaucoma specialists. *Ophthalmol Glaucoma.* 2020;3(6):453-459. PubMed PMID:32782211.
55. Lynch AM, Palestine AG, Wagner BD, **Patnaik JL**, Frazier-Abel AA, Mathias MT, Siringo FS, Holers VM, Mandava N. Response to letter entitled *The Controversial Role of Inhibitory Complement Factors in Age-Related Macular Degeneration*. *BMJO.*
56. Puente MA, **Patnaik JL,** Lynch AM, Synder BM, Caplan CM, Pham B, Neves da Silva H, Chen C, Taravella MJ, Palestine AG. Association of federal regulations in the United States and Canada with potential corneal donation by men who have sex with men. *JAMA Ophthalmol.* 2020;138(11):1143-1149. PubMed PMID: 32970105.
57. Christopher KL, **Patnaik JL**, Miller DC, Lynch AM, Taravella MJ, Davidson R. Accuracy of intraoperative aberrometry, Barrett True K with and without posterior cornea measurements, Shammas-PL, and Haigis-L formulas after myopic refractive surgery. *J Refract Surgery.* 2021;37(1):60-68. PubMed PMID: 33432996.
58. Miller DC, Christopher KL, **Patnaik JL**, Lynch AM, Seibold LK, Mandava N, Taravella MJ. Posterior capsule rupture during cataract surgery in eyes receiving intravitreal anti-VEGF injections. *Curr Eye Res.* 2021;46(2):179-184. PubMed PMID: 32657614.
59. Ifantides C, Christopher KL, Deitz GA, Smith JM, **Patnaik JL**, SooHoo JR, Subramanian PS. Ophthalmic injuries by less-lethal kinetic weapons during the United States George Floyd Protests in Spring 2020. *JAMA Ophthalmol.* 2021;139(2):242-244. PubMed PMID: 33270094.
60. Koduri VA, Reddy AK, **Patnaik JL**, Palestine AG, Lynch AM, Pantcheva MB. Endoscopic cyclophotocoagulation combined with phacoemulsification increases risk of persistent anterior uveitis compared to phacoemulsification surgery alone. *Clin Ophthalmol.* 2021;15:437-443. PubMed PMID: 33574652.
61. Christopher KL, **Patnaik JL**, Ifantides C, Miller DC, Lynch AM, Davidson RS, Taravella MJ, Wagner BD. Time utilization and refractive prediction enhancement associated with intraoperative aberrometry use during cataract surgery. *Clin Ophthalmol.*2021;15:531-539. PubMed PMID: 33603331.
62. Williams ER, **Patnaik JL**, Miller DC, Lynch AM, Kahook MY, Seibold LK. Iris manipulation during phacoemulsification: intra-operative and post-operative complications. *Int J Ophthalmol.* 2021;14(5):676-683. PubMed PMID: 34012881.
63. Mehner LC, Wagner BD, Bol KA, Singh JK, Oliver SC, **Patnaik JL**, Palestine AG, McCourt EA, Mandava N, Wymore EM, Lynch AM. Trends in retinopathy of prematurity over 12 years in a Colorado cohort. *Ophthalmic Epidemiol.* 2021;28(3):220-226. PubMed PMID: 32893714.
64. Stoner AM, Capitena Young CE, Soohoo JR, Pantcheva MB, **Patnaik JL**, Kahook MY, Seibold LK. A comparison of clinical outcomes after Xen gel stent and Ex-Press glaucoma drainage device implantation. *J Glaucoma.* 2021 June 1;30(6)481-488. PMID: 34060508.
65. **Patnaik JL**, Christopher KL, Pedler MG, Shieh B, Petrash CC, Wagner BD, Mandava N, Lynch AM, Palestine AG, Petrash JM. The protective effect of Metformin use on early Nd: YAG capsulotomy. *Invest Ophthalmol Vis Sci.* 2021;62(10):24. PubMed PMID: 34415985.[Article Link](https://library-cuanschutz.hosted.exlibrisgroup.com/primo-explore/openurl?sid=Entrez:PubMed&id=pmid:34415985&vid=01UCOHS&institution=01UCOHS&url_ctx_val=&url_ctx_fmt=null&isSerivcesPage=true)
66. Dawson VJ, **Patnaik JL**, Infantides C, Miller DC, Lynch AM, Christopher KL. Comparison of refractive prediction for intraoperative Aberrometry and Barrett True K no history formula in cataract surgery patients with prior radial keratotomy. *ACTA Ophthalmol.* 2020. PubMed PMID: 33258305.
67. Rankenberg J, Rakete S, Wagner BW, **Patnaik JL**, Henning C, Lynch AM, Glomb M, Nagaraj R. Advanced glycation endproducts in human diabetic lens capsules. *Exp Eye Res.* 2021;210:108704. PubMed PMID: 34302851.
68. Rohl A, **Patnaik JL**, Miller DC, Lynch AM, Palestine AG. Timing of quiescence and uveitis recurrences after cataract surgery in patients with a history of uveitis. *Ophthalmol Ther.* 2021 Sep;10(3):619-628. PubMed PMID: 34164783.
69. Miller DC, **Patnaik JL**, Palestine AG, Lynch AM, Christopher KL. Cataract surgery outcomes in Human Immunodeficiency Virus-positive patients at a tertiary care academic medical center in the U.S. *Ophthalmic Epidemiol.* 2020;1-8. PubMed PMID: 33369513.
70. Chen RC, Palestine AG, Lynch AM, **Patnaik JL**, Wagner BD, Mathias MT, Mandava N. Increased Systemic C-Reactive Protein is Associated with Choroidal Thinning in Intermediate Age-Related Macular Degeneration. *Transl Vis Sci Technol.*2021;10(12):7. PubMed PMID: 34609476.
71. Weldy EW, **Patnaik JL**, Pecen PE, Palestine AG. Quantitative effect of subretinal fluid and intraretinal edema on visual acuity in uveitic cystoid macular edema. *J Ophthalmic Inflamm Infect.* 2021 Oct 11;11(1):38. PubMed PMID: 34635967.
72. **Patnaik JL**, Lynch AM, Pecen PE, Jasso M, Hanson K, Mathias MT, Palestine AG, Mandava N. The impact of advanced age-related macular degeneration on the National Eye Institute’s Visual Function Questionnaire-25. *ACTA Ophthalmol.* 2021 Nov;99(7):750-755. PubMed PMID: 33377625.
73. Capitena Young CE, **Patnaik JL**, Seibold LK, Kahook MY. Attitudes and perceptions towards virtual health in eye care during Coronavirus disease 2019. *Telemed J E Health.* 2021 Nov;27(11):1268-1274. PubMed PMID: 33524299.
74. Fichtner JE, **Patnaik JL**, Christopher KL, Petrash JM. Cataract inhibitors: Present needs and future challenges. *Chem-Biol Interact.* 2021 Nov 1;349:109679. PubMed PMID: 34600869.
75. Strong Caldwell A, **Patnaik JL**, Ackerman M, Christopher KL, Lynch AM, Singh JK. Risk of refractive error after cataract surgery in Thyroid Eye Disease. *Clinical Ophthalmol.* 2021;15:4431-4438. PubMed PMID: 34795474.
76. Palestine AG, Wagner BD, **Patnaik JL**, Baldermann R, Mathias MT, Mandava N, Lynch AM. Plasma C-C chemokine concentrations in intermediate age-related macular degeneration. *Front Med.* 2021;8:710595. PubMed PMID: 34869411.
77. Ahmed M, Shefali MK, Husain L, Khondaker M, Alauddin M, Hossain MA, Kabir AKMN, Whitestone N, Cherwek DH, Congdon N, **Patnaik JL**. Vision impairment and productivity among garment workers in Bangladesh: a cohort study. *Asia Pac J Ophthalmol.* 2022 Jan 13;11(1):79-84. PubMed PMID: 35030134.
78. Ahmed M, **Patnaik JL**, Whitestone N, Hossain MA, Alauddin M, Husain L, Hossain MP, Islam MS, Hossain MI, Imdad K, Cherwek DH, Congdon N. Visual impairment and risk of self-reported road traffic crashes among bus drivers in Bangladesh. *Asia Pac J Ophthalmol.* 2022 Jan 18;11(1):72-78. PubMed PMID: 35044341.
79. Fonteh CN, Palestine AG, Wagner BD, **Patnaik JL**, Mathias MT, Mandava N, Baldermann R, Lynch AM. Sex differences in RANTES (CCL5) in patients with intermediate age-related macular degeneration (AMD) and controls with no AMD. *Transl Vis Sci Technol.* 2022 Feb 1;11(2):12. PubMed PMID: 35133404.
80. Mudie LI, **Patnaik JL**, Lynch AM, Wise RE. Prior pars plana vitrectomy and its association with adverse intraoperative events during cataract surgery. *ACTA Ophthalmol.* 2022 Mar;100(2):e423-e429. PubMed PMID:34137180.
81. Dawson VJ, **Patnaik JL**, Wildes M, Bonnell LN, Miller DC, Taravella MJ, Lynch AM, Christopher KL. Risk of posterior capsule rupture in patients with type 2 diabetes mellitus and diabetic retinopathy during phacoemulsification cataract surgery. *ACTA Ophthalmol.* 2022 Nov;100(7):813-818. PubMed PMID: 35253993.
82. **Patnaik JL**, Kahook MY, Berdahl JP, Hardten DR, Wagner BD, Seibold LK, Kramer BA. Association between axial length and toric intraocular lens rotation according to an online toric back-calculator. *Int J Ophthalmol.* 2022;15(3):420-425. PubMed PMID: 35310054.
83. Gelinas N, Lynch AM, Mathias MT, Palestine AG, Mandava N, Christopher KL, **Patnaik JL**. Gender as an effect modifier in the relationship between hypertension and reticular pseudodrusen in patients with early or intermediate age-related macular degeneration. *Int J Ophthalmol.* 2022;15(3):461-465. PubMed PMID: 35310058.
84. Smith JM, Mandava NK, Tirado-Gonzalez V, Geiger MD, **Patnaik JL**, Frazer-Abel A, Lynch AM, Mandava N, Holers VM, Wagner BD, Sánchez-Santos I, Meizner D, Quiroz-Mercado H, Palestine AG. Correlation of complement activation in aqueous and vitreous in patients with proliferative diabetic retinopathy. *Transl Vis Sci Technol.* 2022 Apr 1;11(4):13. PubMed PMID: 3540644.
85. Jung JL, Harasawa M, **Patnaik JL**, Palestine AG. Subtenon triamcinolone acetonide injection with topical anesthesia in pediatric non-infectious uveitis. *Ophthalmol Ther.* 2022 Apr;11(2):811-820. PubMed PMID: 35179713.
86. Wagner BD, **Patnaik JL**, Palestine AG, Frazer-Abel AA, Baldermann R, Holers VM, Mathias MT, Mandava N, Lynch AM. Association of systemic inflammatory factors with progression to advanced age-related macular degeneration. *Ophthalmic Epidemiol.* 2022 Apr;29(2):139-148. PubMed PMID: 33827374.
87. Kalhorn A, **Patnaik JL**, Ifantides C, Capitena CE, Lynch AM, Christopher KL. Association between increased cataract surgery duration and postoperative outcomes. *Ophthalmic Epidemiol.* 2022 Apr 18;1-6. PubMed PMID: 3546169.
88. Marin AI, Poppelars F, Wagner BD, Palestine AG, **Patnaik JL**, Holers MV, Frazer-Abel AA, Mathias MT, Manoharan N, Fonteh CN, Mandava N, Lynch, AM. Sex and age-related differences in complement factors among patients with intermediate age-related macular degeneration. *Transl Vis Sci Technol.* 2022 May 2;11(5):22. PubMed PMID: 35594041.
89. Sedhom JA, **Patnaik JL**, McCourt EA, Liao S, Subramanian PS, Davidson RS, Palestine AG, Kahook MY, Seibold LK. Physician burnout in ophthalmology: U.S. survey. *J Cataract Refract Surg.* 2022 June 1;48(6):723-729. PubMedPMID: 34596630.
90. Fonteh C, **Patnaik JL**, Grove NC, Lynch AM, Christopher KL. Predictors of pseudophakic retinal tears at a tertiary care academic medical center. *Ophthalmol Retina.* 2022 Jun;6(6):450-456. PubMed PMID: 35093584.
91. Reddy AK, Pecen PE, **Patnaik JL**, Palestine AG. Single institution experience of intravitreal 0.18-mg fluocinolone acetonide implant for noninfectious uveitis. *Ophthalmol Retina.* 2023 Jan;7(1):67-71. PubMed PMID: 35820567.
92. Sidhu S, Lynch AM, Mandava N, Manoharan N, Mathias MT, **Patnaik JL**. Gender differences in visual functioning questionnaire scores among patients with age-related macular degeneration. *Ophthalmic Epidemiol.* 2022 Jul 17;1-10. PubMed PMID: 35848204.
93. Christopher KL, Ifantides C, Lynch AM, **Patnaik JL**. Intraocular lens calculations in patients with previous sequential radial keratotomy and LASIK/PRK. *J Cataract Refract Surg.* 2022 Aug1;48(8):971-973. PubMed PMID: 35171141.
94. Miller VJ, **Patnaik JL**, Capitena-Young CEC, Soohoo JR, Seibold LK, Kahook MY, Ertel MK, Palestine AG, Pantcheva MB. Outcomes of Kahook dual blade goniotomy for uveitis associated open angle glaucoma or ocular hypertension. *J Glaucoma.* 2022 Nov 1;31(11):903-908. PubMed PMID: 35980845.
95. Mudie LI, Reddy A, **Patnaik JL**, Pecen P, Kim E, Cole K, Palestine AG. Evaluation of the SUN classification criteria for the uveitides in an academic uveitis practice. *Am J Ophthalmol.* 2022 Sep;241:57-63. PubMed PMID: 35469789.
96. Pelak VS, Paez YM, **Patnaik JL**, Holden SK, Subramanian PS, Mathias MT, Mandava N, Lynch AM. An exploratory study to investigate the utility of screening for neurodegenerative disease in age-related eye disease research. *J Neuroophthalmol.*2022 Sep 1;42(3):346-52. PubMed PMID: 35483065.
97. Li D, Chan VF, Virgili G, Piyasena P, Negash H, Whitestone N, O'Connor S, Xiao B, Clarke M, Cherwek DH, Singh MK, She X, Wang H, Boswell M, Prakalapakorn SG, **Patnaik JL**, Congdon N. Impact of vision impairment and ocular morbidity and their treatment on depression and anxiety in children: A systematic review. *Ophthalmology.* 2022 Oct;129(10):1152-1170. PubMed PMID: 35660416.
98. Phillips SS, **Patnaik JL**, Capitena-Young C, Ertel MK, Soohoo JR, Seibold LK, Kahook MY, Pantcheva MB. Selective laser trabeculoplasty and outcomes of subsequent phacoemulsification combined with Kahook Dual Blade goniotomy. *Ophthalmol Ther.* 2022 Oct;11(5):1883-1893. PubMed PMID: 35922711.
99. Fonteh CN, Mathias MT, Mandava N, Lynch AM, Manoharan N, Navo R, **Patnaik JL**. Mental health and visual acuity in patients with age-related macular degeneration. *BMC Ophthalmology.* 2022 Oct 2;22(1):391.PubMED PMID: 36183081.
100. Christopher KL, **Patnaik JL**, Penland KJ, Lynch AM, Ifantides C. Outcomes and risk factors for complications in cataract patients with Hepatitis C infection. *Ophthalmic Epidemiol.* 2022 Oct 4;1-7. PubMed PMID: 36196031.
101. Miller DC, Mawhinney S, **Patnaik JL**, Lynch AM, Christopher KL, Wagner BD. Predictors of refraction prediction error after cataract surgery: a shared parameter model to account for missing post-operative measurements. *Statistical Methods & Applications.*
102. Mathenge WC, Whitestone N, Nkurikiye J, **Patnaik JL**, Piyasena PN, Uwaliraye P, Lanouette G, Kahook MY, Cherwek DH, Congdon N, Jarad N. Impact of artificial intelligence assessment of diabetic retinopathy on service update in Rwanda: The RAIDERS randomized trial. *Ophthalmology Science.*
103. Ertel M, Seibold LK, **Patnaik JL**, Kahook MY. Comparison of intraocular pressure readings with Perkins, Tonopen, iCare 200, and iCare Home to manometry in cadaveric eyes. *Int J Ophthalmol.* 2022;15(12):2022-2027. PubMED PMID: 36536963.
104. Echalier EL, Larochelle RD, **Patnaik JL**, Echalier BR, Wagner A, Hink EM, Subramanian PS, Liao SD. Orbital compartment syndrome in severe burns: predictive factors, timing and complications for intervention. *Ophthalmic Plast Reconstr Surg.* 2022 Nov 17; PubMed PMID: 36700833.
105. Larochelle RD, **Patnaik JL**, Lynch AM, Mandava N, Hanson K. Low vision referral patterns in intermediate Age-related macular degeneration. *Curr Eye Res.* 2022 Dec; 47(12):1641-1645. PubMed PMID: 36259507.
106. **Patnaik JL**, Stutzman J, Mehner L, McCourt E, Lynch AM. Characteristics of babies with unstable clinical course and screened for retinopathy of prematurity. *J AAPOS.* 2023 Feb;27(1):37-39. PubMed PMID: 36462723.
107. Fonteh CN, Palestine AG, Wagner BW, **Patnaik JL**, Mathias MT, Manoharan N, Mandava N, Baldermann R, De Carlo T, Lynch AM. RANTES (CCL5) in patients with geographic atrophy age-related macular degeneration. *Transl Vis Sci Technol.* 2023 Jan 3;12 (1):19. PubMED PMID: 36633873.
108. AlRyalat SA, Toubasi AA, **Patnaik JL**, Kahook MY. The impact of air pollution and climate change on Eye Health: A Global Review. *Rev Environ Health.* 2022 Dec 29; PubMed PMID: 36579431.
109. Mudie LI, **Patnaik JL**, Gill Z, Christopher KL, Seibold LK, Infantides C. Disparities in eye clinic patient encounters among patients requiring language interpreter services. *BMC Ophthalmol.* 2023 Mar 2;23(1):82. PubMed PMID: 36864395.
110. Stoner AM, **Patnaik JL**, Ertel MK, Capitena-Young CE, Soohoo JR, Pantcheva MB, Kahook MY, Seibold LK. Subjective and objective measurement of sleep quality and activity in glaucoma. *J Glaucoma.* 2023 Apr 1;32(4):265-271. PubMed PMID: 36795515.R
111. Gill ZS, Caldwell AS, **Patnaik JL**, Mudie LI, Grove N, Ifantides C, Ertel MK, Puente MA, Seibold LK. Comparison of cataract surgery outcomes in English proficient and limited English proficiency patients. *J Cataract Refract Surg.* 2023 Feb 8;. PubMed PMID: 36779806
112. Xia JL, **Patnaik JL**, Lynch AM, Christopher KL. Comparison of cataract surgery outcomes in patients with Type 1 versus Type 2 diabetes and patients without diabetes. *J Cataract Refract Surg.* 2023 Jan 13;. PubMed PMID: 36779812.
113. St. Peter DM, Steger JS, **Patnaik JL**, Davis N, Kahook MY, Seibold LK. Reduction of eyedrop volume from topical ophthalmic medications with the Nanodropper bottle adaptor. *Med Devices.* 2023 Apr 6:16:71-79.PubMed PMID: 37056302.
114. Lynch AM, McReynolds AJ, Wittel RJ, Mathias MT, Manoharan N, **Patnaik JL**. The use of social and digital media to recruit patients with early and intermediate age-related macular degeneration. *Clin Exp Ophthalmol.* 2023 May-Jun;51(4):398-401. PubMed PMID: 37062710.
115. Reddy AK, **Patnaik JL**, Pecen PE, Palestine AG. Short-acting corticosteroid injections predict response to fluocinolone implant. *Ophthalmol Retina.* 2023 Aug;7(8):739-741. PubMed PMID: 37088244.
116. Deitz GA, **Patnaik JL**, Capitena Young CE, Ertel MK, Soohoo JR, Seibold LK, Kahook MY. Comparison of outcomes of phacoemulsification combined with endoscopic cyclophotocoagulation, iStent, or both in the management of open angle glaucoma. *Adv Ther.* 2023 Apr;40(4):1444-1455. PubMed PMID: 36692680.
117. Rajeswaren V, Wagner BD, **Patnaik JL**, Mandava N, Mathias MT, Manoharan N, Forest de Carlo TE, Gnanaraj R, Lynch AM, Palestine AG. Interleukin-4 plasma levels stratified by sex in intermediate age-related macular degeneration and geographic atrophy. *Transl Vis Sci Technol.* 2023 Aug 1;12(8):1. PubMed PMID: 37526620.
118. Christopher KL, **Patnaik JL**, Lynch AM, Grove N. Investigation into the relationship between body mass index and cataract surgery characteristics and complications. *Clin Exp Ophthalmol.* 2023 Sep-Oct;51(7):742-745. PubMed PMID: 37406642.
119. Smith SE, Lynch AM, Auer EA, Bol KA, Christopher KL, Mandava N, **Patnaik JL**. Visual functioning and mortality of age-related macular degeneration patients in a Colorado cohort. *Ophthalmol Retina.* 2023 Nov;7(11):982-989. PubMed PMID: 37437714.
120. Whitestone N, Nikurikiye J, **Patnaik JL,** Jaccard N,Lanouette G, Cherwek DH, Congdon N, Matthenge W. Feasibility and acceptance of artificial intelligence-based diabetic retinopathy screening in Rwanda. *Br J Ophthalmol.* 2023 Aug4;. PubMed PMID: 37541766.
121. Scott RA, Nau SA, **Patnaik JL**, Le CB, Kolfenbach JR, Palestine AG, Reddy AK. Cataract surgery outcomes in patients with non-ocular autoimmune disease. *Ophthalmol Therapy.* 2023 Dec;12(6):3383-3393. PubMed PMID: 37603160.
122. Lu VI, **Patnaik JL**, Scott RA, Lynch AM, Smith JM, Mandava N, Manahoran N. Risk factors and outcomes of delayed presentation of diabetic retinopathy patients to a county hospital. *Transl Vis Sci Technol.* 2023 Sep 1;12(9):8. PubMed PMID: 37676677.
123. Curran K, Whitestone N, Zabeen B, Ahmed M, Husain L, Alauddin M, Hossain MA, **Patnaik JL**, Lanouette G, Cherwek DH, Congdon N, Peto T, Jaccard N. CHILDSTAR: Children living with diabetes see and thrive with AI Review. *Clin Med Insights Endocrinol Diabetes.* 2023 Oct 9;16. PubMed PMID: 37822362.
124. Gill ZS, Marin AI, Caldwell AS, Mehta N, Grove N, Seibold LK, Puente MA, de Carlo Forest TE, Oliver SCN, **Patnaik JL**, Manoharan N. Limited English proficiency is associated with diabetic retinopathy in patients presenting for cataract surgery. *Transl Vis Sci Technol.* 2023 Oct 3;12(10): PubMed PMID: 37796496.
125. Li D, Chan VF, Virgili G, Mavi S, Pundir S, Singh MK, She X, Piyasena P, Clarke M, Whitestone N, **Patnaik JL**, Xiao B, Cherwek DH, Negash H, O’Connor S, Prakalapakorn SG, Huang H, Wang H, Boswell M, Congdon N. Impact of vision impairment and ocular morbidity and their treatment on quality of life in children: a systematic review. *Opthalmol. 2023 Sep 9:.* PubMed PMID: 37696451.
126. Abramoff MD, Whitestone N, **Patnaik JL**, Rich E, Ahmed M, Husain L, Hassan MY, Huq Tanjil MS, Weitzman D, Dai T, Wagner BD, Cherwek DH, Congdon N, Islam K. Autonomous artificial intelligence increases real world specialist clinic productivity in a cluster-randomized trial. *NPJ Digit Med.* 2023 Oct 4;6(1):184. PubMed PMID: 37794054.
127. Scott RA, Lu VI, Grove N, **Patnaik JL**, Manoharon N. Rates of diabetic retinopathy among cluster analysis-identified type 2 diabetic mellitus subgroups. *Graefs Arch Clin Exp Ophthalmol.* 2023 Oct 16. PubMed PMID: 37843564.
128. **Patnaik JL**, Grove NC, Elson G, Lynch AM, Taravella M. Prevalence of cortical cataracts by sex, race, and ethnicity in a Colorado cohort. *J Cat Ref Surg.*
129. Huvard MJ, **Patnaik JL**, Kleinman DM, Preston M, Zacks DN, Kocab AJ, van de Goor J, Wagner BD, Cho S, Lynch AM, Mandava N. An evaluation of the repeatability of visual function following surgical repair of macula-off rhegmatogenous retinal detachment. *Transl Vis Sci Technol.* 2023 Nov 1;12(11):35. PubMed PMID: 38019499.
130. Grove NC, Pelak VS, Christopher KL, Wagner BD, Lynch AM, **Patnaik JL**. Cataract phacoemulsification in people with dementia: Characterization and outcomes. *Ophthalmic Epidemiol.* 2023 Nov 16;1-9. PubMed PMID: 37971269.
131. Geiger MD, Lynch AM, Palestine AG, Grove NC, Christopher KL, Davidson RS, Taravella MJ, Mandava N, **Patnaik JL**. Sex-based disparities after cataract surgery based on operative complications and visual acuity outcomes. *International J Ophthalmol.*
132. Reddy AK, **Patnaik JL,** Pecen PE, Palestine AG. Risk factors for failing sub-Tenon’s triamcinolone acetonide injection for uveitis macular edema. *J Ophthalmic Inflammation and Infection.*

Complete List of Published Work in MyBibliography:

https://www.ncbi.nlm.nih.gov/myncbi/1pmIT3xMW--oLH/bibliography/public/

**Publications under Review**

1. Teeples T, **Patnaik JL**, Hauswirth S, Christopher K. Outcomes and timing of surgical intervention in eyes with microbial keratitis treated with therapeutic penetrating keratoplasty. *Clinical and Experimental Ophthalmology, in revision as a letter.*
2. de Carlo Forest T, Gill Z, Lisker-Cervantes A, Gnanaraj R, Grove N, **Patnaik JL**, Lynch AM, Palestine AG, Mathias M, Manoharan N, Mandava N. Association between quantitative and qualitative imaging biomarkers and geographic atrophy growth rate. *American Journal of* *Ophthalmology, in revision.*
3. Xia JL, Zaver D, EJ Kim, **Patnaik JL**, Ertel MK, Capitena CE, Soohoo JR, Pantcheva MB, Seibold LK. Postoperative use of pilocarpine after Kahook Dual Blade goniotomy in mild and end-stage glaucoma. *BJO, in revision.*
4. Fonteh C, **Patnaik JL**, Grove NC, Lynch AM, Pantcheva M, Christopher KL. Refractive outcomes and patient characteristics of cataract surgery patients with and without prior LASIK/PRK. *Graef’s Archive, in revision.*
5. Rajeswaren V, Lu V, Chen H, **Patnaik JL**, Manoharan N. Healthcare resource utilization and costs in an at-risk population with diabetic retinopathy. *Transl Vis Sci Technol, in revision.*
6. Miller VJ, Robinson C, **Patnaik JL**, Lynch AM, Ifantides C. Single intraoperative sub-Tenon’s injection of triamcinolone versus standard postoperative steroid drops with phacoemulsification cataract surgery: safety and efficacy of a single surgeon experience at a safety-net hospital. *Graef’s Archive.*
7. Bonnell L, Christopher K, Lynch AM, Mandava N, **Patnaik JL**. Predicting day-one postoperative intraocular pressure spikes following cataract surgery using machine learning methods. *Ophthalmol Science.*
8. Rajeswaren V, Wagner BD, **Patnaik JL**, Mandava N, Mathias MT, Manoharan N, Forest TE, Gnanaraj R, Lynch AM, Palestine AG. Tumor necrosis factor alpha and vascular endothelial growth factor in intermediate age-related macular degeneration and geographic atrophy. *Frontiers in Ophthalmology.*
9. Huang A, **Patnaik JL**, Infantides C, Lynch AM, Seibold LK, Ertel M. Post-operative inflammation outcomes with the use of the sustained-release intracanalicular dexamethasone implant (Dextenza) during phacoemulsification. *J Cat Ref Surg.*
10. Lisker A, de Carlo Forest, TE, Gill Z, **Patnaik JL**, Lynch AM, Palestine AG, Mathias M, Manoharan N, Mehta N, Gange W, Gnanaraj R, Rajeswaren V, Marin IZ, Huang A, Mandava N, for the University of Colorado Retina Research Group. Association between systemic levels of vascular endothelial growth factor and optical coherence tomography biomarkers in a non-neovascular age-related macular degeneration cohort. *Eye.*
11. Marin I, Williams E, Neves Da Silva H, **Patnaik JL**, Smith JM. Emergency department ophthalmology consultations at two level-one trauma centers. *Ophthalmic Epi.*
12. Gnanaraj R, Wagner BD, Lynch AM, **Patnaik JL**, de Carlo TE, Mathias MT, Manoharan N, Rajeswaren V, Mandava N, Palestine AG. Differences in systemic c-reactive protein levels (CRP) in patients with geographic atrophy compared to controls without age-related macular degeneration. *Transl Vis Sci Technol.*
13. Sidhu S, Grove NC, **Patnaik JL**, Lynch AM, Christopher KL. Effect of intraoperative cataract surgical complications on postoperative mortality. *Current Eye.*
14. Lynch AM, Drolet DW, Trinder KM, Gupta S, Westacott MJ, Janjic N, Palestine AG, **Patnaik JL**, Mathias MT, Mandava N, Wagner B. Proteomic profiles in the aqueous following anti-vegf therapy in treatment naïve neovascular age-related macular degeneration. *Proteomics Clin Applications.*
15. **Patnaik JL**, Palestine AG, Lynch AM, Christopher K. Utilizing the IRIS**®** Registry (Intelligent Research in Sight) to characterize cases of Acanthamoeba keratitis in the United States. *American Journal of* *Ophthalmology.*
16. Lisker-Cervantes A, Gill Z, Gnanaraj R, Rajeswaren V, Mehta N, Gange B, **Patnaik JL**, Lynch AM, Palestine AG, Mathias M, Manoharan N, Mandava N. de Carlo Forest TE. Differences in imaging biomarkers between patients with intermediate and advanced non-neovascular age-related macular degeneration (AMD). *Eur J Ophthalmol.*
17. Chen H, **Patnaik JL**, Smith JM. Patterns of diabetic retinopathy teleretinal screening completion at a safety net institution. *Ophthalmology.*

**PROFESSIONAL REPORTS**

1. **Landrigan J**, Sifakis F, Flynn C, Caldeira E. The Maryland Annual HIV/AIDS Report. Prepared for The Maryland Department of Health. August 1999.
2. **Landrigan J**, Sifakis F, Flynn C, Caldeira E. The Maryland Annual HIV/AIDS Report. Prepared for The Maryland Department of Health. August 2000.
3. Spittle R, **Patnaik JL**, Weinberg S, Vogt RL. Community Health Profile. Prepared for Adams, Arapahoe, and Douglas counties, Colorado. February 2005.
4. Spittle R, **Patnaik JL,** Weinberg S, Vogt RL. Pregnancy Risk Assessment Monitoring System (PRAMS): Aurora, Colorado Oversample. Prepared for the Tri-County Health Department, Colorado. December 2005.
5. Dippold L, **Patnaik JL**, Vogt RL, Gershman K, Burnite S, Ghosh T, Bamberg W. Illness Surveillance and Rapid Needs Assessment Among Hurricane Katrina Evacuees – Colorado, September 1-23, 2005. CDC Morbidity and Mortality Weekly Report. 2006; 55(09): 244-247. [Link](https://www.cdc.gov/mmwr/preview/mmwrhtml/mm5509a7.htm).
6. **Patnaik JL**, Fernald D, Burns E, Levinson A. Feasibility of Tracking Chronic Pulmonary Disease (CCPD) and Office of Health Disparities (OHD) Program Effects in the General Population. Prepared for the Epidemiology, Planning and Evaluation Branch, Colorado Department of Public Health and Environment. June 2009. [Link](http://www.ucdenver.edu/academics/colleges/PublicHealth/community/CEPEG/WkProducts/Reports/Documents/63Feasibility%20of%20Program%20Tracking,%20submission%20draft%206-30-09.pdf).
7. Jones W, **Patnaik JL**, Levinson AH. State Strategic Tobacco Goals 2020: Recommended Tracking Indicators. Prepared for the State Tobacco Education & Prevention Partnership, Colorado Department of Public Health and Environment. May 2013.
8. Jones W, **Patnaik JL**, Levinson AH. Independent Evaluation of the *¡Estoy Sano!* Program: Final Report. Prepared for the Epidemiology, Planning and Evaluation Branch, Colorado Department of Public Health and Environment. June 2014.
9. **Patnaik JL**, Dillon A, Heit S, Kimminau M, McFann K, Levinson AH. Healthy Kids Colorado Survey: Executive Summary Report. Prepared for the Colorado Department of Public Health and Environment. September 2014. [Link](https://www.colorado.gov/pacific/cdphe/healthy-kids-colorado-survey-archive).
10. **Patnaik JL**, Cronquist A. Viral Hepatitis in Colorado: 2015 Surveillance Report. Prepared for the Colorado Department of Public Health and Environment. December 2016. [Link](https://www.colorado.gov/pacific/cdphe/hepatitis-data).

**INVITED SPEAKER PRESENTATIONS**

1. **Patnaik JL**. Global blindness and visual impairment: epidemiology and research examples. Consortium of Universities for Global Health (CUGH), April 2023.

**PRESENTATIONS AT NATIONAL AND STATEWIDE CONFERENCES**

1. Solomon L, **Landrigan J**, Flynn C, Benjamin G. HIV testing and confidentiality, the concerns of HIV positive and high risk individuals, American Public Health Association, November 1999 (podium).
2. **Landrigan J**, Flynn C, Sifakis F, Eldred L, Solomon L. Survival following AIDS diagnosis (1990-1997) of Maryland residents, American Public Health Association, November 1999 (poster).
3. Sifakis F, Flynn C, **Landrigan J**, Eldred L, Caldiera E, Solomon L. HIV seroincidence among repeat testers in Maryland, American Public Health Association, November 1999 (poster).
4. **Landrigan J**, Flynn C, Solomon L. Maryland resident AIDS cases dually eligible for Medicaid and Medicare, American Public Health Association, November 2000 (podium).
5. Alberg AJ, **Landrigan J**, Vu H, Helzlsouer KJ, Ford DE. A case-control study of NAT2, GSTM1, and GSTT1 genotypes in relation to head and neck cancer, Society of Epidemiological Research, June 2000 (poster).
6. Landrigan J, Alberg AJ, Hoffman SC, Helzlsouer KJ, Comstock GW. Influence of morbidity on smoking cessation in a cohort of smokers, American Society of Preventive Oncology, March 2001 (podium).
7. Rietmeijer C, Bull S, Landrigan J, Douglas J, McFarlane M. The internet: opportunities for sexually transmitted infection (STI) risk, STI prevention, or both? International STD Conference, June 2001 (podium).
8. Rietmeijer C, Douglas J, Landrigan J, Judson F. Trends in gonorrhea rates among men who have sex with men at Denver STD clinic 1990-2000, International STD Conference, June 2001 (podium).
9. Landrigan J, Rietmeijer C, Breese P, Douglas J. Two different measures of HIV incidence (1994-2000) for patients attending Denver health clinics, CDC HIV Prevention Conference, August 2001 (podium).
10. Shlay JC, **Landrigan J**, Douglas JM. Comparison of STD prevalence by reported condom use errors in 100% condom users of an urban STD clinic, National STD Prevention Conference, March 2002 (podium).
11. Rietmeijer CA, **Landrigan J**, Britt D, Gourley P, Burman W. Standard risk assessment (SRA) and screening for syphilis, gonorrhea (GC), and chlamydia (CT) among HIV-infected patients receiving medical care, National STD Prevention Conference, March 2002 (podium).
12. Rietmeijer C, Bull S, **Landrigan J**, Douglas J, McFarlane M. The internet: opportunities for sexually transmitted infection (STI) risk, STI prevention, or both? National STD Prevention Conference, March 2002 (podium).
13. Subiadur J, **Landrigan J**, Douglas JM. Hepatitis B screening and vaccine referral program in an STD clinic, National STD Prevention Conference, March 2002 (podium).
14. Subiadur J, **Landrigan J**, Douglas JM. Hepatitis B screening and vaccine referral program in an STD clinic, National Immunization Conference, April 2002 (podium).
15. Subiadur J, **Landrigan J**, Douglas JM. STD screening and vaccination program in Denver County Jail, National Immunization Conference, April 2002 (podium).
16. Subiadur J, **Landrigan J**, Douglas JM. STD screening and vaccination program in Denver County Jail, US Conference on AIDS, September 2002 (podium).
17. Subiadur J, **Landrigan J**, Douglas JM. Hepatitis B screening and vaccine referral program in an STD clinic, US Conference on AIDS, September 2002 (podium).
18. **Landrigan J**, Subiadur J, Rietmeijer CA, Douglas JM. Hepatitis C Virus (HCV) testing experience in various public health venues, National STD Prevention Conference, March 2002, National Hepatitis Coordinator’s Conference, January 2003 (poster).
19. Douglas JM, Subiadur J, **Patnaik JL**, Lloyd L, Bedell M, Judson F. Evaluation of a hepatitis B virus immunization program in an STD clinic, International Society for Sexually Transmitted Disease Research annual conference, July 2003 (podium).
20. **Patnaik JL**, Weinberg S, Burford N, Trefren L, Vogt RL. Over-sample of African-Americans in the Pregnancy Risk Assessment Monitoring Surveillance (PRAMS), Colorado Public Health Associationannual conference, September 2003, Colorado (podium).
21. **Patnaik JL**, Dippold L, Vogt RL. Hepatitis A in a food handler, Colorado Public Health Association annual conference, September 2003, Colorado (podium).
22. Williams H, Bennett A, **Patnaik JL**, Trefren L, Vogt RL. Immunization rates among children in the WIC program, Colorado Public Health Association annual conference, September 2003, Colorado (podium).
23. Bennett AE, Trefren LD, **Patnaik JL**, Klabunde JL, Jones KF. RD/RN Collaboration Boosts Immunization Rates, American Dietetic Association: Food & Nutrition Conference, September 2004 (podium).
24. **Patnaik JL**, Deatrich M, Vogt RL. Responding to West Nile Virus: a local public health perspective, Public Health in the Rockies annual conference, September 2004, Colorado (podium).
25. **Patnaik JL,** Harmon H, Vogt RL. Follow-up study of 2003 human West Nile virus infections, selected counties in metro-Denver, Colorado. Colorado Public Health Association annual conference, September 2005, Colorado (podium).
26. Ledin K, Ghosh T, **Patnaik JL**, Vogt RL. Epidemic pertussis in the Tri-County region. Colorado Public Health Association annual conference, September 2005, Colorado (podium).
27. Spittle R, **Patnaik JL,** Weinberg SW, Vogt RL. Community health profiles: a tool for monitoring and needs assessment. Colorado Public Health Association annual conference, September 2005, Colorado (podium).
28. **Patnaik JL**, Harmon H, Vogt RL. Follow-up study of 2003 human West Nile virus infections, selected counties in metro-Denver, CO. 2005 National Conference on West Nile Virus in the United States, February 2005, Atlanta, GA (poster).
29. Ledin K, Alden N, **Patnaik JL**. Gastroenteritis outbreaks in long-term care facilities: Lessons learned. Colorado Public Health Association annual conference, September 2006, Colorado (podium).
30. Ledin K, Dippold L, Vargulich G, **Patnaik JL**, Wilson B, Vogt RL. Assessment of shellfish practices in retail food establishments in response to increased Vibrio illnesses in a landlocked area. International Conference on Emerging Infectious Diseases, March 2006 (poster).

# Boehmer TK, Patnaik JL, Ghosh TS, Vogt RL. Are Hospitalized Cases of Notifiable Diseases Captured in Colorado’s Electronic Disease Reporting System? Council of State and Territorial Epidemiologists, June 2007, Atlanta, GA (podium).

# Kuebrich C, Trefren L, Degolier L, Patnaik JL, Russell-Rodriquez S, Vogt RL. Improving immunization status and documentation for children attending licensed child care centers. Colorado Public Health Association annual conference, September 2007, Colorado (podium).

# Patnaik JL, Juliusson L, Vogt RL. Space-time and epidemiologic analysis of environmental positives as predictors of human West Nile virus infections. Colorado Public Health Association annual conference, September 2007, Colorado (podium).

# Patnaik JL, Juliusson L, Vogt RL. Environmental predictors of human West Nile virus infections, Colorado. Council of State and Territorial Epidemiologists 2008, Atlanta, GA (podium).

1. Levinson AH, **Patnaik JL.** A practical approach to improve accuracy of retail tobacco sales violation rates. Society for Research on Nicotine and Tobacco, March 2013, Seattle, WA (poster).
2. **Patnaik JL**, Li Y, James KA, Sedjo RL, Albright K, Levinson AH. Smokers are less likely to vote: results from Colorado. Society for Research on Nicotine and Tobacco, February 2014, Seattle, WA (poster).
3. **Patnaik JL**, Brown M, Levinson AH. Stores that sell tobacco to minors – the more you look, the more you find. Society for Research on Nicotine and Tobacco, February 2014, Seattle, WA (poster).
4. James KA, Li Y, **Patnaik JL**, Sedjo RL, Levinson AH. Smoking patterns among young adults: widening gaps between students and nonstudents. Society for Research on Nicotine and Tobacco, February 2014, Seattle, WA (poster).
5. Sedjo RL,Li Y, James KA, **Patnaik JL**, Levinson AH. Is the Latino-Anglo NRT gap closing? Preliminary evidence from Colorado. Society for Research on Nicotine and Tobacco, February 2014, Seattle, WA (poster).
6. Siringo F, Manoharan N, **Patnaik JL**, Palestine AG, Oliver SC, Mathias M, Smith J, Geiger M, Snitzer j, Wagner B, Lynch A, Mandava N. Silicon oil endotamponade in primary retinal detachment: a novel risk factor for proliferative vitreoretinopathy. American Society of Retinal Specialists (ASRS) annual meeting; 2017 August; Boston, MA (e-presentation).
7. Ryburn C, Davidson R, **Patnaik JL**, Miller DC, Alexander J, Taravella M. The financial burden of posterior capsular rupture (PCR) at an academic institution in Colorado. ASCRS, April 2018, Nashville, TN (podium).
8. Christopher K, **Patnaik JL**, Miller DC, Lynch AM, Davidson R, Taravella M. Time cost and effect of intraoperative aberrometry on intraocular lens selection in association with various subgroups. ASCRS, May 2018, San Diego, CA (podium).
9. Wildes M, **Patnaik JL**, Miller DC, Taravella M, Lynch AM. Risk of posterior capsule complication in patients with type 2 diabetes mellitus during phacoemulsification cataract surgery. ASCRS, May 2018, San Diego, CA (podium).
10. Young CC, **Patnaik JL**, Lynch AM, Seibold LK. Posterior capsule opacification rates following phacoemulsification in glaucoma patients and patients without glaucoma. American Glaucoma Society (AGS) annual meeting, March 2018, New York, NY (poster).
11. Sieck E, Epstein RS, Kennedy JB, Soohoo JR, Pantcheva MB, **Patnaik JL**, Lynch AM, Kahook MY, Seibold LK. Outcomes of Kahook Dual Blade Goniotomy with and without phacoemulsification cataract extraction. American Glaucoma Society (AGS) annual meeting, March 2018, New York, NY (poster).
12. Sieck E, **Patnaik JL**, Jung JL, Singh JK. Comparison of surgical approaches to inferior oblique overaction. The American Association for Pediatric Ophthalmology and Strabismus (AAPOS) annual meeting, March 2018, Washington, DC (poster).
13. Ahmad M, **Patnaik JL**, Thevarajah T, Lynch AM, McCourt E. Delayed resolution of retinopathy of prematurity. The American Association for Pediatric Ophthalmology and Strabismus (AAPOS), March 2018, Washington, DC (poster).
14. Christopher K, **Patnaik JL**, Miller C, Lynch AM, Davidson R, Taravella M. Outcomes in patients with a history of laser refractive surgery who undergo cataract surgery with implantation of an extended depth of focus intraocular lens. The American Society of Cataract and Refractive Surgery (ASCRS) annual meeting, April 2018, Washington, D.C. (poster).
15. Ryburn C, Davidson R, Lynch AM, **Patnaik JL**, Taravella M. Financial burden of posterior capsular rupture (PCR) in America. The American Society of Cataract and Refractive Surgery (ASCRS), April 2018, Washington, D.C. (poster).
16. Singh JK, Wagner BD, McCourt EA, Cathcart JN, Oliver SC, Mathias M, Wymore EM, **Patnaik JL**, Mehner L, Jung JL, Braverman RS, Ahmad M, Enzenauer RW, Palestine AG, Lynch AM. Risk of requiring laser treatment for retinopathy of prematurity (ROP) and ROP outcomes among micropreemies (<25 weeks) in a Colorado Cohort. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
17. Mehner LC, Wagner B, Singh JK, Oliver SC, Chasan JE, Cathcart JN, **Patnaik JL**, Palestine AG, McCourt EA, Lynch AM. Trends in Retinopathy of Prematurity over 10 years in a Colorado Cohort. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
18. **Patnaik JL**, Lynch AM, Echalier L, Cathcart JN, Hodges J, Mathias MT, Siringo FS, Wagner BD, Palestine AG, Mandava N. Lower use of hormone replacement therapy among cases of age-related macular degeneration. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
19. Miller VJ, **Patnaik JL**, Lynch AM, Taravella MJ, Palestine AG, Nagaraj RH. Risk factors predisposing to Nd:Yag capsulotomy in a Colorado Cohort. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
20. Howe Q, Fischer NA, **Patnaik JL**, Jung JL, Singh JK, McCourt EA. Frequency of pediatric traumatic cataract complicated by retinal detachment. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
21. Sieck EG, Zukin L, **Patnaik JL**, Lynch AM, Kelly P, Singh JK. Cost comparison of different treatment approaches to dacryocystitis and dacrocystocele. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
22. Geiger MD, Lynch AM, **Patnaik JL**, Trinh M, Oliver SC, Mathias MT, Palestine AG, Slingsby T, Williams E, Snitzer J, Mandava N. Visual outcomes for patients with primary macula-off rhegmatogenous retinal detachment in a Colorado cohort. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
23. Pecen PE, Palestine AG, **Patnaik JL**. Optical coherence tomography angiography and macular thinning in patients with uveitis. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
24. Lynch AM, Wagner BD, Weiss SJ, Wall KM, Palestine AG, Mathias MT, Siringo FS, Cathcart JN, **Patnaik JL**, Drolet DW, Janjic N, Mandava N. Proteomic profiles in advanced age-related macular degeneration using an aptamer-based proteomic technology. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
25. Mackin AG, Jung JL, **Patnaik JL**, Wagner BD, Wymore E, Hodges JK, Singh JK, McCourt EA, Cathcart JN, Palestine AG, Lynch AM. Birth weight percentile and risk of retinopathy of prematurity. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2018, Honolulu, HI (poster).
26. Reddy AK, **Patnaik JL**, Lynch AM, Miller DC, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. American Academy of Ophthalmology (AAO) annual meeting, November 2018, Chicago, IL (poster).
27. Sieck E, Epstein RS, Kennedy JB, SooHoo JR, Pantcheva MB, Capitena-Young C, **Patnaik JL**, Lynch AM, Kahook MY, Seibold LK. Two-year outcomes of Kahook Dual Blade Goniotomy with and without Phacoemulsification cataract extraction. American Glaucoma Society (AGS) annual meeting, March, 2019, San Francisco, CA (poster).
28. Capitena-Young C, Sieck E, Epstein RS, SooHoo JR, Pantcheva MB, **Patnaik JL**, Lynch AM, Kahook MY, Seibold LK. Refractive outcomes among glaucoma patients undergoing phacoemulsification cataract extractions with and without Kahook dual blade Goniotomy. American Glaucoma Society (AGS) annual meeting, March, 2019, San Francisco, CA (poster).
29. Miller DC, **Patnaik JL**, Lynch AM, Taravella MJ, Wildes MD, Mandava N. Risk of posterior capsule rupture in eyes receiving intravitreal anti-VEGF injections prior to cataract surgery. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
30. Mandava NK, Tirado V, Geiger MD, **Patnaik JL**, Frazer-Abel A, Lynch AM, Mandava N, Palestine AG, Holers M, Wagner BD, Sanchez-Santos I, Meizner D, Quiroz H, Smith JM. Plasma and vitreous complement levels in humans with proliferative diabetic retinopathy in Mexico. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
31. Geiger MD, **Patnaik JL**, Miller DC, Taravella MJ, Davidson RD, Palestine AG, Mandava N, Lynch AM, Christopher KL, Seibold LK. Ocular comorbidities as risk factors for refractive surprise following cataract surgery. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
32. Mehner LC, Wagner BD, Bol KA, Singh JK, Oliver SC, **Patnaik JL**, Palestine AG, McCourt EA, Mandava N, Wymore EM, Lynch AM. Comparison of trends in risk factors for retinopathy of prematurity over 12 years in Colorado: How one academic medical center compares to statewide data. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
33. **Patnaik JL**, Pecen PE, Lynch AM, Siringo FS, Mathias MT, Mandava N. The National Eye Institute visual function questionnaire -25 in patients with age-related macular degeneration and controls. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
34. Petrash C, **Patnaik JL,** Lynch AM, Petrash M, Christopher K. Visual acuity from time of cataract surgery to ND: YAG laser capsulotomy. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2019, Vancouver, Canada (poster).
35. Christopher K, Miller DC, **Patnaik JL**, Lynch AM, Taravella MJ, Davidson R. Comparison of refractive predictions for intraoperative aberrometry and Barrett True K calculations in cataract surgery patients with prior myopic laser refractive surgery. Women in Ophthalmology Conference, August 2019, Coeur d’Alene, ID. (poster). \*Received poster award.
36. Miller VJ, **Patnaik JL**, Lynch AM, Jung JL, Pantcheva MB, McCourt EA. Gender representation in an ophthalmology newsletter cover article over time. Women in Ophthalmology Conference, August 2019, Coeur d’Alene, ID (poster).
37. Scott AT, Sieck EG, Capitena Young C, Epstein RS, Soohoo JR, Pantcheva MB, **Patnaik JL**, Kahook MY, Seibold LK. Outcomes of combined endocyclophotocoagulation and Kahook Dual Blade goniotomy. American Glaucoma Society, February 2020, Washington, D.C. (poster).
38. Koduri V, Capitena Young C, Epstein RS, Soohoo JR, Pantcheva MB, **Patnaik JL**, Kahook MY, Seibold LK. Glaucoma patient perceptions on marijuana use for the treatment of glaucoma. American Glaucoma Society, February 2020, Washington, D.C. (poster).
39. Capitena Young C, Christopher KL, Ertel MK, Epstein RS, Soohoo JR, Pantcheva MB, Seibold LK**, Patnaik JL**, Kahook MY. Incidence of corneal transplant graft failure with glaucoma drainage devices placed in the anterior chamber compared to the ciliary sulcus. American Glaucoma Society, February 2020, Washington, D.C. (poster).
40. Williams ER, **Patnaik JL**, Miller DC, Lynch AM, Seibold LK. Iris manipulation: intra-operative and post-operative complications. American Society of Cataract and Refractive Surgery, May 2020, Boston, MA (poster).
41. Martin-Paez Y, **Patnaik JL**, Lynch AM, Churney T, Jasso MC, Subramanian PS, Mandava N, Holden SK, Pelak VS. Do unrecognized neurodegenerative diseases impact age-related eye disease research outcome measures? A pilot study. NANOS, March 2020, Amelia Island, FL (poster).
42. **Patnaik JL**, Kleinman DM, Preston M, Zacks DN, van de Goor J, Wagner BW, Cho S, Lynch AM, Mandava N. Visual function assessments following surgical repair of macula-off retinal detachment. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2020, Boston, MA (poster).
43. Miller DC, **Patnaik JL**, Christopher KL, Lynch AM, Palestine AG. Cataract surgery outcomes in HIV-positive patients at a tertiary care academic medical center in the U.S. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2020, Boston, MA (poster).
44. Dawson V, **Patnaik JL**, Lynch AM, Christopher KL. Comparison of refractive prediction for intraoperative Aberrometry and Barrett True K no history formula in cataract surgery patients with prior radial keratotomy. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2020, Boston, MA (poster).
45. Puente M, **Patnaik JL**, Synder B, Caplan C, Lynch AM, Pham B, Neves da Silva H, Chen C. An analysis of FDA policy regarding corneal donation by men who have sex with men. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2020, Boston, MA (poster).
46. Galias N, **Patnaik JL**, Lynch AM, Churney T, Mathias MT, Siringo FS, Palestine A, Mandava N. Gender as an effect modifier in the relationship between treated hypertension and reticular pseudodrusen in patients with early or intermediate age-related macular degeneration. The Association for Research in Vision and Ophthalmology (ARVO) annual meeting, April 2020, Boston, MA (poster).
47. Puente M, **Patnaik JL**, Synder B, Caplan C, Lynch AM, Pham B, Neves da Silva H, Chen C. An analysis of FDA policy regarding corneal donation by men who have sex with men. Eye Bank Association of America, June 2020, Dallas, TX (oral).
48. Hanson K, Nau S, Tavernier L, **Patnaik JL**. Objective and Subjective Effect of Enchroma® Glasses on Color Vision in Subjects with Inherited or Acquired Color Vision Deficiency. American Academy of Optometry, September 2020 (virtual poster).
49. St. Peter D, **Patnaik JL**, Davis N, Kahook MY, Seibold LK. Reduction of eyedrop volume from topical ophthalmic medications with the Nanodropper bottle adaptor. American Glaucoma Society, March 2021 (poster).
50. Sedhom J, **Patnaik JL**, Seibold LK. Physician burnout in ophthalmology: A national survey. ASCRS, April 2021 (poster).
51. Mudie LI, Robinson C, Subramanian PS, **Patnaik JL**, Infantides C. Ophthalmic trauma at a major level 1 trauma center in the United States: the Denver Health Ophthalmic Trauma Registry (DHOTR). American Society of Ophthalmic Trauma, June 2021 (poster).
52. Mandava NK, Tirado V, Geiger MD, **Patnaik JL**, Frazer-Abel A, Lynch AM, Palestine AG, Mandava N, Holers VM, Wagner BD, Sánchez-Santos I, Meizner-Grezemkowsky D, Quiroz-Mercado H, Smith JM. AOA research symposium, oral presentation, May 12, 2021 Sydney Kimmel Medical College, Thomas Jefferson University.
53. Dawson VJ, **Patnaik JL**, Wildes M, Bonnell LN, Miller DC, Taravella M, Lynch AM, Christopher KL. The risk of posterior capsule complications in patients with type 2 diabetes mellitus and diabetic retinopathy during phacoemulsification cataract surgery. ARVO, April 2021 (poster).
54. Larochelle R, **Patnaik JL**, Lynch AM, Mandava N, Hanson K. Low vision referral patterns in intermediate AMD. ARVO, April 2021 (poster).
55. Rankenberg J, Rakete S, Wagner BW, **Patnaik JL**, Henning C, Lynch AM, Glomb M, Nagaraj R. Advanced glycation endproducts in human diabetic lens capsules. ARVO, April 2021 (poster).
56. Williams E, Marin A, Neves Da Silva H, **Patnaik JL**, Smith J. Emergency department ophthalmology consultation trends at two level-one trauma centers in Colorado. ARVO, April 2021 (poster).
57. Puente MA, **Patnaik JL**, Deitz G, McCourt EA, Jung JL, Singh JK, Lynch AM. Results of Genetic, Infectious, and Metabolic Testing in the Work-Up of Bilateral Pediatric Cataracts at a Tertiary Pediatric Hospital. AAPOS, April 2021.
58. St. Peter D, **Patnaik JL**, Mangan R, Ertel M. The effect of glaucoma medications on refractive outcomes after phacoemulsification. Women in Ophthalmology, August 2021.
59. Whitestone N, Curran K, Congdon N, Peto T, **Patnaik JL**, Orbis: Bangladesh, Jaccard N. ChIldren Living with Diabetes See and Thrive with AI Review: CHILDSTAR. European Association for the Study of Diabetes Eye Complications Study Group. December 2021.
60. Smith JM, Mandava NK, Tirado V, Geiger MD, **Patnaik JL**, Frazer-Abel A, Lynch AM, Palestine AG, Mandava N, Holers VM, Wagner BD, Sánchez-Santos I, Meizner-Grezemkowsky D, Quiroz-Mercado H. The Retina Society Meeting. September 2021, Chicago, IL.
61. Gill Z, **Patnaik JL**, Mudie L, Ifantides C, Lynch AM, Seibold LK. Comparison of cataract surgery outcomes in English and Non-English speaking patients. American Academy of Ophthalmologists, November 2021.
62. Echalier E, Larochelle R, **Patnaik JL**, Echalier B, Wagner A, Liao S, Hink EM, Subramanian P. Risk factors for canthotomy and cantholysis among patients admitted to the UCH burn unit. ASOPRS, November 2021.
63. Marin AI, Poppelars F, Wagner BD, Palestine AG, **Patnaik JL**, Holers MV, Frazer-Abel A, Mathias MT, Fonteh CN, Mandava N, Lynch, AM, the University of Colorado Retina Research Group. Sex and age-related differences in complement factors among patients with intermediate age-related macular degeneration. International Complement Society Workshop, December 2021.
64. Singh A, **Patnaik JL**, Ertel MK, Capitena-Young C, Soohoo JR, Pantcheva MB, Kahook MY, Sebiold LK. Subjective and objective measurement of sleep quality and activity in glaucoma patient and controls. American Glaucoma Society, March 2022.
65. Zaver D, **Patnaik JL**, Pantcheva M, Soohoo J, Capitena-Young C, Ertel M, Xia J, Kahook M, Seibold L. Postoperative use of pilocarpine after Kahook Dual Blade Goniotomy in mild to end-stage glaucoma. American Glaucoma Society, March 2022.
66. Deitz GA, **Patnaik JL**, Capitena Young CE, Epstein RS, Ertel MK, Soohoo JR, Seibold LK, Kahook MY, Pantcheva MB. Comparison of outcomes of phacoemulsification combined with endoscopic cyclophotocoagulation, iStent, or both in the management of open angle glaucoma. American Glaucoma Society, March 2022.
67. Miller VJ, Robinson C, **Patnaik JL**, Lynch AM, Palestine AG, Ifantides C. Single intraoperative sub-Tenon’s injection of triamcinolone versus standard postoperative steroid drops with phacoemulsification cataract surgery: safety and efficacy of a single surgeon experience at a safety-net hospital. American Society of Cataract and Refractive Surgery, April 2022.
68. Mudie LI, Robinson C, Subramanian PS, **Patnaik JL**, Infantides C. Ophthalmic trauma at a major level 1 trauma center in the United States: the Denver Health Ophthalmic Trauma Registry (DHOTR). American Society of Cataract and Refractive Surgery, April 2022.
69. Eshete R, Lynch AM, Mandava N, Palestine A, Mathias M, Manoharan N, Wagner B, Fonteh C, Navo R, **Patnaik JL**. The association of select medication use among patients with age-related macular degeneration and controls. Association of Research in Vision and Ophthalmology, Denver, May 2022.
70. **Patnaik JL**, Stutzman J, Lynch AM, McCourt E. Characteristics of babies with unstable clinical course and screened for ROP. Association of Research in Vision and Ophthalmology, Denver, May 2022.
71. Nau S, **Patnaik JL**, A Reddy, AG Palestine. Uveitis following cataract surgery for patients with autoimmune disease. Association of Research in Vision and Ophthalmology, Denver, May 2022.
72. Bonnell L, **Patnaik JL**, Lynch AM, Littenberg B, Christopher K, Seibold LK, Wagner B, Davidson R. Predicting one-day postoperative intraocular pressure spikes using machine learning methods. Association of Research in Vision and Ophthalmology, Denver, May 2022.
73. Grove N, Christopher K, Pelak V, Lynch AM, **Patnaik JL**. Patients with dementia undergoing cataract surgery. Association of Research in Vision and Ophthalmology, Denver, May 2022.
74. Fonteh C, Lynch AM, Navo R, Mathias M, Mandava N, **Patnaik JL**. Mental health and visual acuity in patients with age-related macular degeneration. Association of Research in Vision and Ophthalmology, Denver, May 2022.
75. Xia J, **Patnaik JL**, Lynch AM, Christopher K. Comparison of cataract surgery outcomes in patients with Type 1 versus Type 2 diabetes. Association of Research in Vision and Ophthalmology, Denver, May 2022, oral presentation.
76. Geiger MD, Lynch AM, Grove NC, Christopher KL, **Patnaik JL**. Sex-based disparities after cataract surgery based on operative complications and visual acuity outcomes. Association of Research in Vision and Ophthalmology, Denver, May 2022.
77. Marin AM, Wagner BD, Manoharan N, Palestine AG, Poppelars F, **Patnaik JL**, Holers MV, Frazer-Abel AA, Mathias MT, Mandava N, Lynch AM. AREDS Supplementation and Complement System Levels in Patients with Intermediate Age-Related Macular Degeneration. Association of Research in Vision and Ophthalmology, Denver, May 2022.
78. Lu VI, **Patnaik JL**, Smith JM, Manahoran NJ. Characteristics and outcomes of early versus delayed presentation of diabetic retinopathy patients in a county hospital. Association of Research in Vision and Ophthalmology, Denver, May 2022.
79. Gill Z, **Patnaik JL**, Mudie L, Ifantides C, Seibold LK. Combined cataract surgery and Kahook Dual Blade Goniotomy in patients with limited English proficiency. Association of Research in Vision and Ophthalmology, Denver, May 2022.
80. Ertel M, Huang A, Infantides C, **Patnaik JL**, Seibold LK. Post-operative inflammation outcomes with the use of the sustained-release intracanalicular dexamethasone implant (Dextenza) during phacoemulsification. Association of Research in Vision and Ophthalmology, Denver, May 2022.
81. Teeples T, **Patnaik JL**, Hauswirth S, Christopher K. Outcomes and timing of surgical intervention in eyes with microbial keratitis treated with therapeutic penetrating keratoplasty. Association of Research in Vision and Ophthalmology, Denver, May 2022.
82. Mehta N, **Patnaik JL**, Mathias M, Mandava N, Lynch AM. Association between age-related macular degeneration progression and systemic beta blocker use. Association of Research in Vision and Ophthalmology, Denver, May 2022.
83. Shane, **Patnaik JL**, A Reddy, AG Palestine. Uveitis following cataract surgery for patients with autoimmune disease. Association of Research in Vision and Ophthalmology, Denver, May 2022.
84. Phillips S, Gill Z, Strong AC, **Patnaik JL**, Grove N, Mudie L, Oliver S, Seibold LK. Prevalence of diabetic retinopathy in patients with limited English proficiency. Association of Research in Vision and Ophthalmology, Denver, May 2022.
85. Mudie LI, Reddy A, **Patnaik JL**, Kim E, Cole K, Pecen P, Palestine AG. Evaluation of the SUN classification criteria for the uveitides in an academic uveitis practice. Association of Research in Vision and Ophthalmology, Denver, May 2022.
86. Mudie LI, Robinson C, Subramanian PS, Liao S, Levitt A, **Patnaik JL**, Infantides C. Orbital fracture repair in the Denver Health Ophthalmic Trauma Registry (DHOTR). American Society of Ophthalmic Trauma, May 2022.
87. Kim E, Christopher KL, Ertel MK, Soohoo JR, Pantcheva MB, Seibold LK, Kahook MY, **Patnaik JL**, Capitena Young CE. Incidence of corneal transplant graft failure with glaucoma drainage device placement in the anterior chamber compared to the ciliary sulcus. Women in Ophthalmology, Monterey CA, August 2022.
88. Xia J, **Patnaik JL**, Lynch AM, Christopher K. Comparison of cataract surgery outcomes in patients with Type 1 versus Type 2 diabetes. Women in Ophthalmology, Monterey CA, August 2022.
89. Fonteh C, Lynch AM, Navo R, Mathias M, Mandava N, **Patnaik JL**. Mental health and visual acuity in patients with age-related macular degeneration. Women in Ophthalmology, Monterey CA, August 2022. Top Poster Award.
90. Scott R, Grove N, **Patnaik JL**, Lu V, Oliver S, Manoharon N. Rates of diabetic retinopathy among cluster analysis-identified type 2 diabetic mellitus subgroups. The 55th Annual Retina Society Meeting, Pasadena, CA, November 2022.
91. De Carlo T, Gill Z, **Patnaik JL**, Lynch AM, Palestine AG, Mathias M, Manoharan N, Mehta N, Gange B, Marin I, Huang A, Mandava N, for the University of Colorado Retina Research Group. Associations Between Systemic Macrophage Inflammatory Protein-1 alpha and beta with Imaging Biomarkers Obtained Same-Day from Patients with Geographic Atrophy in the University of Colorado Age-Related Macular Degeneration Registry. The 55th Annual Retina Society Meeting, Pasadena, CA, November 2022.
92. Huang A, Larochelle R, Nix C, **Patnaik JL**, Levitt AE, Liao SD. Canalicular complications in post-cataract surgery patients receiving Dexamethasone Intracanalicular implant. American Society of Ophthalmic Plastic and Reconstructive Surgery, Chicago, IL, September 2022.
93. **Patnaik JL**, Palestine AG, Lynch AM, Christopher KL. Utilizing the IRIS® Registry to characterize bilateral disease and corneal transplant among cases of acanthamoeba keratitis. American Academy of Ophthalmology, Chicago, IL, September 2022.
94. Li D, Chan, VF, Virgili, Piyasena, P, Negash H, Whitestone N, O'Connor S, Xiao B, Clarke M, Cherwek DH, Singh M, Boswell M, Wang H, Prakalapakorn SG, **Patnaik JL**, Congdon N. Impact of vision impairment and ocular morbidity on depression and anxiety in children: A systematic review. American Academy of Ophthalmology, Chicago, IL, September 2022.
95. Lien TN, Neves da Silva HV, Bonner IV, Anigbogu C, **Patnaik JL**, McCourt E. Comparison of the timeliness of diagnosis and treatment of strabismus based on race and preferred language. AAPOS, March, 2023.
96. Deitz G, Grove N, Stoner A, **Patnaik JL**, Seibold LS. The clinical impact of home tonometry on glaucoma management and comparison of IOP parameters measured at home versus office measurements. American Glaucoma Society, Austin, TX, March 2023. \*Top Poster Presentation.
97. Chen H, **Patnaik JL**, Smith JM. Patterns of diabetic retinopathy teleretinal screening completion at a safety net institution. American Society of Retina Specialist, Seattle, WA, July 2023.
98. de Carlo Forest TE, Gill Z, **Patnaik JL**, Lisker A, Gnanaraj R, Lynch AM, Palestine AG, Mathias M, Manoharan N, Mehta N, Gange W, Rajeswaren V, Marin I, Huang A, Mandava N. Associations between systemic inflammatory biomarkers and imaging biomarkers in eyes with advanced non-neovascular age-related macular degeneration. Women in Retina at ARVO, New Orleans, April 2023.
99. Grove NC, Taravella M, **Patnaik JL**, Pelak VS. Multifocal intraocular lens after cataract extraction: pilot evidence of an association with cognition. Vision 2023, Denver, CO.
100. Sidhu S, Grove NC, **Patnaik JL**, Lynch AM, Christopher KL. Effect of intraoperative cataract surgical complications on postoperative mortality. Women in Ophthalmology, Marco Island, FL, August 2023.
101. Pelak VS, Taravella M, **Patnaik JL**, Grove NC. Neuroadaptability to multifocal intraocular lens after cataract extraction: pilot evidence of an association with cognition. American Neurological Association, Philadelphia, PA, September 2023.
102. Strong A, **Patnaik JL**, Lynch AM, McCourt E, Jung J. Laser versus anti-VEGF treatment: real-world outcomes for treatment of type 1 retinopathy of prematurity. AAPOS, Austin, TX, April 2024.
103. Gebreyesus H, Wagner M, Grove N, **Patnaik JL,** Kahook MY, Seibold LK. One year clinical outcomes with the Streamline surgical system in mild to severe open angle glaucoma. AGS, Huntington Beach, CA, February 2024.
104. Liu J, Chen H, **Patnaik JL**, Ifantides C. Ocular pathology among unhoused patients from a safety net hospital. ARVO, Seattle, WA, May 2024.
105. Volkin J, Grove N, **Patnaik JL**, Arguinchona L, Seibold L, Manoharan N. Rates, risk factors and course of intraocular pressure elevation after pars plana vitrectomy for rhegmatogenous retinal detachments. ARVO, Seattle, WA, May 2024.
106. Auer EA, Gnanaraj R, Lynch AM, Kohrt WM, Mandava N, Palestine AG, **Patnaik JL**. Hormone therapy and conversion to advanced age-related macular degeneration. ARVO, Seattle, WA, May 2024.
107. **Patnaik JL**, Kahook MY, Dye-Robinson A, James KA. Are particulate matter pollutants associated with ophthalmology visits for ocular surface irritation and allergy? ARVO, Seattle, WA, May 2024.
108. Amiri I, Gebreyesus H, **Patnaik JL**, Kahook MY, Seibold LK. Variation of priming stream patterns of the Ahmed glaucoma valve and the predictive value on valve functionality. ARVO, Seattle, WA, May 2024.