

**Manuscripts and Presentations from the Division of Ophthalmic
Epidemiology**

2014 to May 2021

Age-Related Macular Degeneration

Manuscripts Published or Accepted for Publication

1. Lynch AM, Patnaik JL, Cathcart JN, et al. COLORADO AGE-RELATED MACULAR DEGENERATION REGISTRY: Design and Clinical Risk Factors of the Cohort. *Retina*. 2019 Apr;39(4):656-63. PubMed PMID: 29283981. Epub 2017/12/29. eng.
2. Patnaik JL, Pecen PE, Hanson K, et al. Driving and Visual Acuity in Patients with Age-Related Macular Degeneration. *Ophthalmology Retina*. 2019 Apr;3(4):336-42. PubMed PMID: 31014686. Epub 2019/04/25. eng.
3. Lynch AM, Wagner BD, Weiss SJ, et al. Proteomic Profiles in Advanced Age-Related Macular Degeneration Using an Aptamer-Based Proteomic Technology. *Translational vision science & technology*. 2019 Jan;8(1):14. PubMed PMID: 30697465. Pubmed Central PMCID: PMC6348995. Epub 2019/01/31. eng.
4. Lynch AM, Mandava N, Patnaik JL, Frazier-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*. 2019 Jun 17:1120672119857896. doi: 10.1177/1120672119857896. [Epub ahead of print].
5. Patnaik JL, Lynch AM, Wagner BD, Echaliel EL, Kohrt WM, Mathias MT, Siringo FS, Palestine AG, Mandava N. Hormone Therapy as a Protective Factor for Age-Related Macular Degeneration *Ophthalmic Epidemiol*. 2019 Dec 8:1-7. doi: 10.1080/09286586.2019.1701041. [Epub ahead of print] PMID: 31813321.
6. Lynch AM, Palestine AG, Wagner BD, Patnaik JL, Frazier-Abel AA, Mathias MT, Siringo FS, Holers VM, Mandava N. Complement factors and reticular pseudodrusen in intermediate age-related macular degeneration staged by multimodal imaging. *BMJ Open Ophthalmol*. 2020;5(1): e000361. doi: 10.1136/bmjophth-2019-000361. eCollection 2020. PubMed PMID: 32509962; PubMed Central PMCID: PMC7254108.
7. Lynch AM, Wagner BD, Palestine AG, 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”. *BMJ Open Ophthalmol*. 2020;5(1): e000361. doi: 10.1136/bmjophth-2019-000361. eCollection 2020. PubMed PMID: 32509962; PubMed Central PMCID: PMC7254108.
8. 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 11;9(10):12. doi: 10.1167/tvst.9.10.12. eCollection 2020 Sep.
9. 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*. 2020 Dec 30. doi: 10.1111/aos.14731. Online ahead of print. PMID: 33377625
10. 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*. 2021 Apr 8:1-10. doi: 10.1080/09286586.2021.1910314. Online ahead of print. PMID: 33827374

AMD-National Presentations

1. Cerda AM, Mathias M, Lynch AM, Wagner BD, Siringo F, Bonnell LN, Mandava N. The relationship of chronic hypertension with geographic atrophy and neovascular- age related macular degeneration in a Colorado Cohort. Poster presentation, Association for research in vision and ophthalmology (ARVO), Seattle 2016.
2. Patnaik JL, Lynch AM, Echaliier L, Cathcart JN, Hodges JK, Mathias MT, Siringo FS, Wagner BD, Palestine AG, Mandava N. HRT use and AMD. Poster presentation ARVO, annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii.
3. Lynch AM, Wagner BD, Weiss SJ, Wall KM, Palestine AG, Mathias MT, Siringo FS, Cathcart JN, Patnaik JL, Drolet DW, Janjic N. Mandava N. Novel plasma proteins in geographic atrophy and neovascular age-related macular degeneration. Poster presentation, ARVO, annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii.
4. 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. Poster presentation ARVO, annual meeting, April 2019, Vancouver, Canada.
5. Palestine AG, Lynch A, Hansen K, Wagner B, Patnaik J, Mathias M, Siringo F, Dzieciatkowska M, Nagaraj R, Mandava N. Plasma Vinculin is Elevated in Advanced Age-Related Macular Degeneration. Podium presentation at the Retina Society meeting, London, September 2019
6. Mandava N; Lynch AM; Wagner BD; Janjic N; Patnaik JL; Mathias MT; Siringo FS; Palestine AG. Protein Biomarkers and Biological Pathways in the Reticular Pseudodrusen Phenotype of Age-Related Macular Degeneration. Podium presentation. 43rd Annual Macula Society Meeting, Rancho Bernardo, San Diego, California, February 19-22, 2020.
7. Palestine AG; Lynch AM; Patnaik JL; Wagner BD; Mathias MT; Siringo FS; Mandava N. Chemokines in intermediate AMD. Podium presentation. 43rd Annual Macula Society Meeting, Rancho Bernardo, San Diego, California, February 19-22, 2020.
8. Gelinas N, Patnaik JL, Lynch AM, Churney T, Mathias, M, Siringo F, Palestine AG; 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. Poster ARVO Annual Meeting Abstract June 2020
9. Churney T, Patnaik JL, Holguin F, Mathias MT, Siringo FS, Palestine AG Lynch AM, Mandava N. The Relationship of Chronic Lung Disease with Age-Related Macular Degeneration in a Colorado Cohort. ARVO Annual Meeting, June 2020
10. Chen R, Palestine A, Lynch AM, Patnaik J, Wagner BD, Mathias M, Mandava N. Increased Systemic C-Reactive Protein is Associated with Choroidal Thinning in Intermediate Age-Related Macular Degeneration. Retina Society Virtual Meeting, August 2020.
11. Mandava N. Ocular and systemic biomarkers in age-related macular degeneration. Stanley Chang Lecture, Columbia University, October 7, 2020
12. Larochelle R, Patnaik JL, Lynch AM, Mandava N, Hanson K. Low vision referral patterns in intermediate AMD. ARVO, April 2021 (poster).

AMD-Local Presentations

1. Mandava N. Colorado Age-Related Macular Degeneration Study. Podium presentation, 20th Annual Ophthalmology Symposium, September 23, 2016.
2. Echaliel EL, Patnaik JL, Lynch AM, Siringo F, Mathias M, Mandava N. Case Control Study of Risk Factors for Age Related Macular Degeneration. Podium presentation at the 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017. Aurora CO
3. Mandava N. Colorado Age-Related Macular Degeneration Study Group. Update 2017. Oral presentation. 21st Annual Ophthalmology Symposium, September 29, 2017
4. Mandava N; Lynch AM Colorado Age-Related Macular Degeneration Study Group Update 2018. Podium presentation, 22nd Annual Ophthalmology Symposium, September 29, 2018.
5. Mandava N; Lynch AM Novel Approaches to Biomarker Discovery for Age-Related Macular Degeneration. Podium presentation, 23rd Annual Ophthalmology Symposium, September 20, 2019.
6. Chen R, Palestine A, Lynch AM, Patnaik J, Wagner BD, Mathias M, Mandava N. Increased Systemic C-Reactive Protein is Associated with Choroidal Thinning in Intermediate Age-Related Macular Degeneration. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty & Alumni Research Day. June 20th, 2020 Aurora CO
7. Gelinas 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. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty & Alumni Research Day. June 20th, 2020 Aurora CO.
8. Mandava N. Ocular and systemic biomarkers in age-related macular degeneration. Podium presentation, 24th Annual Ophthalmology Symposium, September 11, 2020.

Retina

Retina-Manuscripts Published or Accepted for Publication

1. Manoharan N, Patnaik JL, Olson JL. INCREASED COMPLEMENT LEVELS IN HUMAN VITREOUS ASPIRATES OF PROLIFERATIVE DIABETIC RETINOPATHY AND RETINAL DETACHMENT EYES. *Retina*. 2018 Aug 24. PubMed PMID: 30148749. Epub 2018/08/28. eng.
2. Geiger M, Smith JM, Lynch A, 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 Mar;40(3):609-616. doi: 10.1007/s10792-019-01219-0. Epub 2019 Nov 25. PubMed PMID: 31768813.
3. Mandava N, Tirado-Gonzalez V, Geiger MD, Patnaik JL, Frazer-Abel A, Lynch AM, Mandava N, Alan G. Palestine, 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. PMID: 32965482

Retina-National Presentations

1. Siringo FS, Manoharan N, Palestine A, Oliver SCN, Mathias MM, Olson J, Smith JM, Pecan P, Lindt MC, Wagner BD, Lynch AM, Mandava N. Silicone oil endotamponade in primary retinal detachment: a novel risk factor for proliferative vitreoretinopathy? Paper on demand. ASRS Annual Meeting, 2016, August 11-15, Boston MA.
2. 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. Poster presentation, ARVO, annual meeting, April 2019, Vancouver, Canada.
3. Palestine AG, Lynch A, Hansen K, wagner B, Patnaik J, Mathias M, Siringo F, Dzieciatkowska M, Nagaraj R, Mandava N. Plasma Vinculin is Elevated in Advanced Age-Related Macular Degeneration. Podium presentation, Retina Society, London, September 2019
4. Smith J, Mandava N., Tirado V, Geiger MD, Patnaik JL, Frazer-Abel A, Lynch AM, Mandava N, Holers M, Wagner BD, Sanchez-Santos I, Meizner D, Quiroz H, Palestine AG. Plasma and Vitreous Complement Levels in Humans with Proliferative Diabetic Retinopathy. Poster presentation, European Complement Meeting, September 2019, Madrid, Spain.
5. Patnaik JL, Kleinman D, Preston M, Zacks D, van de Goor J, Esposito D, Wagner B, Lynch AM, Mandava N. Visual Function and Retinal Imaging Following Surgical Repair of Macula-off Retinal Detachment. ARVO, 2020.

Retina-Local Presentations

1. Oliver Scott. Evaluating outcomes in vitreoretinal surgery. 20th Annual Ophthalmology Symposium, Department of Ophthalmology, University of Colorado School of Medicine. September 23, 2016.

2. Little S. The role of clinical features and dosimetry in a Colorado cohort of uveal melanoma treated with Brachytherapy. Presented at the Cancer Center as part of the summer program for undergraduates.
3. Lau M, Snitzer J, Patnaik J, Wagner, B, Lynch A, Oliver S. factors Predictive of Successful Macular Hole Surgery and Visual Recovery. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018 Aurora CO.
4. Feinstein E, Patnaik J, Pecen P, Sadowsky A. Indicators of post-operative IOP elevation after naïve Retisert implantation. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day June 23, 2018 Aurora CO
9. Geiger MD, Lynch AM, Patnaik JL, Trinh MV, Oliver SCN, Mathias MY, Palestine AG, Slingsby TJ, Williams ER, Snitzer JS, Mandava. Visual Outcomes for Patients with Primary Macula-Off Rhegmatogenous Retinal Detachment in a Colorado Cohort. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018 Aurora CO.
5. Chen RC, Palestine AG, Lynch AM, Patnaik J.L, Wagner BD, Mathias MT, Mandava N. Increased Systemic C-Reactive Protein is Associated with Choroidal Thinning in Intermediate Age-Related Macular Degeneration. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni, Research Day. June 20th, 2020
6. Gelinas 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. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni. June 20th, 2020
7. 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.

Pediatric Ophthalmology

Pediatric Ophthalmology-Manuscripts Published or Accepted for Publication

1. Cao JH; Wagner BD; McCourt EA; Cerda A; Sillau S; Palestine A; Enzenauer RW; Mets-Halgrimson RB; Paciuc-Beja M; Gralla J; Braverman RS; Lynch A. The Colorado-retinopathy of prematurity model (CO-ROP): postnatal weight gain screening algorithm. *Journal of AAPOS*: 2016 Feb;20(1):19-24. PubMed PMID: 26917066. Epub 2016/02/27. eng.
2. Cao JH; Wagner BD; Cerda A; McCourt EA; Palestine A; Enzenauer RW; Braverman RS; Wong RK, Tsui I, Gore C; Robbins SL; Puente MA; Kauffman L; Kong L; Morrison DG; Lynch AM. Colorado retinopathy of prematurity model: a multi-institutional validation study. *Journal of AAPOS*: 2016 Jun;20(3):220-5. PubMed PMID: 27166790. Epub 2016/05/12. eng.
3. Lynch AM; Wagner BD; Mandava N; Palestine AG; Mourani PM; McCourt EA; Oliver SC; Abman SH. The Relationship of Novel Plasma Proteins in the Early Neonatal Period with Retinopathy of Prematurity. *Invest Ophthalmol Vis Sci*. 2016 Sep 1;57(11):5076-5082. doi: 10.1167/iovs.16-19653. PubMed PMID: 27679852.
4. Jung JL; Wagner BD; McCourt EA; Palestine AG; Cerda A; Cao JH; Enzenauer RW; Singh JK, Braverman RS; Wymore E; Lynch AM . Validation of WINROP for detecting retinopathy of prematurity in a North American cohort of preterm infants. *Journal of AAPOS: the official publication of the American Association for Pediatric Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus*. 2017 May 12. PubMed PMID: 28506724. Epub 2017/05/17. eng.
5. Lynch AM; Wagner BD; Hodges JK; Thevarajah TS; McCourt EA; Cerda AM; Palestine A; Gibbs R. The relationship of the subtypes of preterm birth with retinopathy of prematurity. *Am J Obstet Gynecol*. 2017;217(3):354.e1-.e8. doi: 10.1016/j.ajog.2017.05.029. Epub 2017 May 22. PMID: 28545834.
6. McCourt EA; Wagner B; Jung J; Wymore E; Singh J; Enzenauer R; Braverman R; Lynch A. Validation of the CHOP model for detecting severe retinopathy of prematurity in a cohort of Colorado infants. *Acta Ophthalmol*. 2017 Jun 27. doi: 10.1111/aos.13506. [Epub ahead of print] PMID: 28653816.
7. McCourt EA; Ying G; Lynch AM; Wagner BD; Wymore E; Tomlinson L; Binenbaum G. Validation of the Colorado Retinopathy of Prematurity Screening Model in a Large Cohort of Premature Infants. Accepted January 2018, *JAMA Ophthalmology* with an invited commentary from VanderVeem DK.
8. Lynch AM, Berning AA, Thevarajah TS, Wagner BD, Post MD, McCourt EA, et al. The role of the maternal and fetal inflammatory response in retinopathy of prematurity. *Am J Reprod Immunol*. 2018 May 24: e12986. PubMed PMID: 29797537. Epub 2018/05/26. eng.
9. Qiu H, Fischer NA, Patnaik JL, et al. Frequency of pediatric traumatic cataract and simultaneous retinal detachment. *Journal of AAPOS: the official publication of the American Association for Pediatric Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus*. 2018 Dec;22(6):429-32. PubMed PMID: 30366052. Epub 2018/10/27. eng.
10. Ahmad M, Patnaik J, Thevarajah T, et al. Delayed resolution of retinopathy of prematurity. *Journal of AAPOS : the official publication of the American Association for Pediatric*

- Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus. 2019 Feb 14. PubMed PMID: 30772472. Epub 2019/02/18. eng.
11. Singh JK, Wymore EM, Wagner BD, et al. Relationship between severe bronchopulmonary dysplasia and severe retinopathy of prematurity in premature newborns. *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus*. 2019 May 24. PubMed PMID: 31132481. Epub 2019/05/28. Eng
 12. Cerda A, Lynch AM, Wymore E, Thevarajah TS, McCourt EA, Wagner BD. Use of the Fenton Preterm Growth Chart and Z-scores as Growth Parameters in Assessing the Risk of ROP. *J AAPOS*. 2019 Oct;23(5):281-283. doi: 10.1016/j.jaapos.2019.06.007. Epub 2019 Sep 11.
 13. Weldy E, Shimoda A, Patnaik J, Jung J, Singh J. Long-term visual outcomes following abusive head trauma with retinal hemorrhage. *Journal of AAPOS: the official publication of the American Association for Pediatric Ophthalmology and Strabismus / American Association for Pediatric Ophthalmology and Strabismus*. 2019;23(6): 329.e1-e4.
 14. Charpentier S, Jung JJ, Patnaik JL, Pecen PE, Palestine AG. A Cross-Sectional Online Survey Identifies Subspecialty Differences in the Management of Pediatric Cataracts Associated with Uveitis. *Ophthalmology and Therapy*. *Ophthalmol Ther* (2020) 9:293–303 <https://doi.org/10.1007/s40123-020-00245-x>
 15. Sieck EG, Madabhushi A, Patnaik JL, Jung JL, Lynch AM, Singh JK. Comparison of Different Surgical Approaches to Inferior Oblique Overaction. *Journal of binocular vision and ocular motility*. 2020:1-5.
 16. Sieck EG, Zukin L, Patnaik JL, Lynch AM, Kelley P, Singh JK Cost comparison of different treatment approaches of dacryocystitis and dacrocystocele. *Ther Adv Ophthalmol* 2020, Vol. 12: 1–4, DOI: 10.1177/ 2515841420926288
 17. 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 Jun;28(3):220-226. doi: 10.1080/09286586.2020.1815801. Epub 2020 Sep 7..
 18. Flannery DD, Jensen EA, Tomlinson LA, Yu Y, Ying GS, Binenbaum G, G-ROP Study Group*. Poor postnatal weight growth is a late finding after sepsis in very preterm infants. *Archives of disease in childhood Fetal and neonatal edition*. 2020. *included E McCourt, Anne Lynch, Levi Bonnell and Ashlee Cerda, Jennifer Cathcart, and Tamara Thevarajah from the CO-ROP group
 19. Zupancic JAF, Ying GS, de Alba Campomanes A, Tomlinson LA, Binenbaum G, G-ROP Study Group*. Evaluation of the economic impact of modified screening criteria for retinopathy of prematurity from the Postnatal Growth and ROP (G-ROP) study. *Journal of perinatology: official journal of the California Perinatal Association*. 2020;40(7):1100-8. * included E McCourt, Anne Lynch, Levi Bonnell and Ashlee Cerda, Jennifer Cathcart, and Tamara Thevarajah from the CO-ROP group

Pediatric Ophthalmology-National Presentations

1. Cao JH; Wagner BD; McCourt EA; Cerda AM; Sillau S; Enzenauer RW; Mets-Halgrimson RB; Paciuc-Beja M; Gralla J; Braverman RS; Lynch AM. Colorado Retinopathy of Prematurity Model: Post Natal Weight Gain Screening Algorithm. Podium presentation, AAPOS 2014.
2. Cao JH; Cerda AM; Lynch AM; Wong RK; Gore C; Puente MA; Morrison DG; McCourt EA. Colorado ROP Screening Model: A Multi-Institutional Validation Study. Podium presentation, AAPOS New Orleans 2015
3. Jung J; Cao JH; Lynch AM; Braverman R; Robert Enzenauer; McCourt EA. Validation of WINROP for Detecting High-Grade Retinopathy of Prematurity in Colorado Preterm Infants. Podium presentation, AAPOS New Orleans 2015.
4. McCourt EA; Kim YC; Cerda, AM; Singh J; Wagner BD; Jung J; Cao J; Braverman R; Enzenauer R; Lynch A. Relationship between Maternal Race/Ethnicity and Retinopathy of Prematurity in a Colorado Cohort. Poster presentation, ARVO, Denver CO, 2015.
5. Singh J; Cerda AM; Wagner B; McCourt EA; Cao JH; Jung J; Braverman RS; Enzenauer RW; Lynch AM. Risk for Retinopathy of Prematurity in Singletons versus Twins in a Colorado Cohort. Poster presentation, ARVO, Denver CO, 2015.
6. Elias ER; Cerda AM; Wagner BM; Lynch AM; Braverman R. Beyond Cholesterol: Antioxidant Treatment for Patients with SLOS. Presentation at SLOS Family Medical Conference July 31st, 2015 Portland OR.
7. Cao JH; Cerda AM; Lynch AM; Wong RK; Gore C; Puente MA; Morrison DG; McCourt EA. Colorado ROP Screening Model: A Multi-Institutional Validation Study. Presented at American Academy of Ophthalmology (AAO) meeting 2015. Las Vegas NV. Award received
8. Wildes M; Cherof A; Cerda A; Lynch A; Wagner B; and Gregory D Amniotic membrane transplantation for treatment of Stevens-Johnson syndrome in the pediatric population: A retrospective review. Poster Presentation, AAPOS 2016. Best Poster Presentation Award.
9. Singh J; Cerda AM; Wagner BD; Wymore E; Jung JL; Cao JH; Enzenauer RW; Braverman RS; Lynch A; McCourt EA. Validation of the Colorado Retinopathy of Prematurity model for detecting ROP in an expanded Colorado Cohort. Poster presentation, AAPOS 2016.
10. Tawse KL, Cerda AM, Lynch AM, Wagner BD, Wymore EM, Jung JL, Braverman RS, Singh J, McCourt EA, Enzenauer RW. Infant Race/Ethnicity as a risk factor for Type 1 ROP in a Colorado Cohort. Poster presentation, AAPOS 2016, Vancouver, Canada
11. McCourt EA; Lynch AM; Wagner BD; Cerda AM; Jung JL; Wymore EM; Singh J; Enzenauer RW; Braverman RS. Validation of the CHOP model for detecting high-grade retinopathy of prematurity in a cohort of Colorado infants. Podium presentation, AAPOS 2016, Vancouver Canada.
12. Lynch AM. Novel approaches to biomarker discovery for preterm birth and retinopathy of prematurity. TED talk, Childx symposium, Stanford University, April 21, 2016.
13. Lynch AM, Wagner BD, Hodges J, Thevarajah T, McCourt EA, Cerda A, Gibbs R, Palestine AG. The Relationship between the Antecedents of Preterm Birth with Retinopathy of Prematurity. Poster presentation, AAPOS 43rd Annual Meeting, April 2 – 6, 2017, Nashville, TN. Best Poster Presentation Award.

14. Cerda A, Wagner BD, Lynch AM, Jung JL, Wymore E, Singh JK, Enzenauer RE, McCourt EA. The Use of The Fenton Preterm Growth Chart and Z-scores as Growth Parameters in Assessing the Risk of Retinopathy of Prematurity. Poster presentation. AAPOS 43rd Annual Meeting, April 2 – 6, 2017, Nashville, TN.
15. Mc Court EA, Ying G, Lynch AM, Cerda A, Wagner B, Wymore E, Tomlinson L, Binenbaum G. Validation Study of the Colorado Model for Predicting ROP. Poster presentation, AAPOS 43rd Annual Meeting, April 2 – 6, 2017, Nashville, TN.
16. Braverman R. High rate of strabismus in a cohort of infants screened for ROP. Poster presentation, AAPOS 43rd Annual Meeting, April 2 – 6, 2017, Nashville, TN.
17. Sieck E, Singh JK, Jung J, Patnaik J. Comparison of surgical approaches to inferior oblique overaction. Poster presentation. ISA and AAPOS Joint Meeting (AAPOS 44th Annual Meeting), Washington DC, March 18-22, 2018.
18. Ahmad M, Patnaik JL, Thevarajah T, Lynch AM, McCourt EA. Delayed resolution of retinopathy of prematurity. ISA and AAPOS Joint Meeting, AAPOS 44th Annual Meeting), Washington DC, March 18-22, 2018.
19. Singh JK, Wymore EM, Wagner BD, Thevarajah TS, Kinsella JP, Palestine AG, Lynch AM. The Relationship between Severe Bronchopulmonary Dysplasia and Severe Retinopathy of Prematurity in a Colorado Cohort. ISA and AAPOS Joint Meeting (AAPOS 44th Annual Meeting), Washington DC, March 18-22, 2018.
20. Sieck EG, Zukin L, Patnaik JL, Lynch AM, Kelly P, Singh JK. Cost Comparison of Different Treatment Approaches to Dacryocystitis and Dacrocystocele. ARVO, annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii.
21. Singh JK, Wagner BD, McCourt EA, Cathcart JN, Oliver S, Mathias M, Wymore EM, Patnaik JL, Mehner L, Jung JL, Braverman RS, Ahmad M, Enzenauer RW, Palestine AP, Lynch AM. Risk of Requiring Laser Treatment for Retinopathy of Prematurity (ROP) and ROP Outcomes Among Micopremies (<25 Weeks). ARVO, Annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii.
22. Mehner LC, Wagner BD, Singh JK, Oliver SCN, Chasan JE, Cathcart JN, Patnaik JL, Palestine AP, McCourt EA, Lynch AM. Trends in Retinopathy of Prematurity over 10 years in a Colorado Cohort. ARVO, 2018, Hawaii Convention Center, Honolulu, Hawaii.
23. Mackin AG, Jung J, Patnaik JL, Wagner BD, Wymore E, Hodges J, Singh J, McCourt EA, Cathcart JN, Palestine AG, Lynch AM. IUGR and risk of ROP. ARVO, Annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii.
24. 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. ARVO annual meeting, April 2019, Vancouver, Canada.
25. Jung J, Cao JH, Lynch AM, Braverman R, Robert Enzenauer, McCourt EA. Validation of WINROP for Detecting High-Grade Retinopathy of Prematurity in Colorado Preterm Infants. AAO/AAPOS Virtual Journal Club. Aug 26, 2020 05:30 PM by zoom.
26. Michael A. Puente, Jennifer L. Patnaik, Galia Deitz, Emily A. McCourt, Jennifer L, Jung Jasleen K Singh, Anne M Lynch. Results of Genetic, Infectious, and Metabolic Testing in

the Work-Up of Bilateral Pediatric Cataracts at a Tertiary Pediatric Hospital. AAPOS (Virtual), 2021.

Pediatric Ophthalmology-Local Presentations

1. Cao JH, Wagner BD, McCourt EA, Cerda AM, Sillau S, Enzenauer RW, Mets-Halgrimson RB, Paciuc-Beja M, Gralla J, Braverman RS, Lynch AM. Colorado Retinopathy of Prematurity Model: Post Natal Weight Gain Screening Algorithm. Podium presentation, 18th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 2014. Aurora CO.
2. Jung J, Hsu Cao J, McCourt EA, Lynch A, Braverman RS, Enzenauer RW. Validation of WINROP for Detecting High-Risk Retinopathy of Prematurity in Colorado Preterm Infants. 18th Annual Resident, Fellow, Faculty and Alumni Research Day, University of Colorado Denver, Aurora, CO, June 14, 2014.
3. Jung J, Cao JH, Lynch AM, Braverman R, Enzenauer R, McCourt EA. Validation of WINROP for Detecting High-Grade Retinopathy of Prematurity in Colorado Preterm Infants. Podium presentation, 19th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day, June 20, 2015, Aurora Colorado.
4. Rodriguez-Colon G, McCourt EA, Hink EM, Hickey F, Wagner BD, Bonnell LN, Cerda AM, Lynch AM. Assessment of Eye Diseases in Patients with Nasolacrimal Duct Obstruction and Down syndrome. Podium presentation, 19th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2015. Aurora CO.
5. Wildes M, Cherof A, Cerda A, Lynch A, Wagner B, and Gregory D. Amniotic membrane transplantation for treatment of Stevens-Johnson syndrome in the pediatric population: A retrospective review. Podium Presentation, 20th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 18, 2016. Aurora CO.
6. Tawse KL, Cerda AM, Lynch AM, Wagner BD, Wymore EM, Jung JL, Braverman RS, Singh J, McCourt EA, Enzenauer RW. Infant Race/Ethnicity as a risk factor for Type 1 ROP in a Colorado Cohort. Podium Presentation, 20th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 18, 2016. Aurora CO.
7. Cathcart J, Cerda A, Thevarajah T, Post M, McCourt E, Lynch A. The Relationship between Chorioamnionitis and Retinopathy of Prematurity: A Retrospective Study in a Colorado Cohort. Podium and Poster Presentation at the Colorado School of Public Health Capstone Symposium. May 2016.
8. Braverman R. Retinopathy of Prematurity. Podium presentation, 20th Annual Ophthalmology Symposium, Dept. of Ophthalmology, University of Colorado School of Medicine. September 23, 2016.
9. Ahmad M, Patnaik JL, Thevarajah T, Lynch AM, McCourt E. Delayed resolution of retinopathy of prematurity. Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017. Aurora CO.
10. Ballard B, Cerda A, Wagner BD, Lynch AM, Jung JL, Singh JK, McCourt EA, Braverman R. Demographics of Retinopathy of Prematurity Follow-up. Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017, Aurora CO.
11. Mackin AG, Jung J, Patnaik JL, Wagner BD, Wymore E, Hodges J, Singh J, McCourt EA, Cathcart JN, Palestine AG, Lynch AM. IUGR and risk of ROP. Podium presentation,

- 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018, Aurora CO.
12. Mehner LC, Wagner BD, Singh JK, Oliver SCN, Chasan JE, Cathcart JN, Patnaik JL, Palestine AP, McCourt EA, Lynch AM. Trends in Retinopathy of Prematurity over 10 years in a Colorado Cohort. Podium presentation, Grand rounds, Department of Ophthalmology UC SOM, May 2018.
 13. Mehner LC, Wagner BD, Singh JK, Oliver SCN, Chasan JE, Cathcart JN, Patnaik JL, Palestine AP, McCourt EA, Lynch AM. Trends in Retinopathy of Prematurity over 10 years in a Colorado Cohort. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day, June 23, 2018, Aurora CO
 14. Puente MA, Deitz G, Patnaik JL, Jung JL, Singh JK, McCourt EA, Lynch AM. Results of Genetic, Infectious, and Metabolic Testing in the Workup of Bilateral Pediatric Cataracts. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2020, Aurora CO.
 15. Weldy E, Shimoda A, Patnaik JL, Jung J, Singh J. Long Term Visual Outcomes Following Abusive Head Trauma with Retinal Hemorrhage. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2020, Aurora CO.

Cataract

Cataract-Manuscripts published or accepted for publication

1. Bonnell LN, SooHoo JR, Seibold LK, Lynch AM, Wagner BD, Davidson RS, Taravella MJ. One-day postoperative intraocular pressure spikes after phacoemulsification cataract surgery in patients taking Tamsulosin. *J Cataract Refract Surg.* 2016 Dec;42(12):1753-8. PubMed PMID: 28007106. Epub 2016/12/23. eng. Also published as a commentary in the April 2017 issue of *EyeWorld* and in *Practice Update* January 24, 2017
2. 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 history of laser refractive surgery. *J Refract Surg* 2020 Jan 1;36(1):28-33. doi: 10.3928/1081597X-20191204-01. PMID: 31917848. DOI: 10.3928/1081597X-20191204-01
3. Ryburn C, Patnaik JL, Miller DC, Alexander J, Lynch AM, Davidson RS, Taravella MJ. What Is the Cost of a Posterior Capsule Rupture Complication? *Ophthalmic Surg Lasers Imaging Retina.* 2020 Aug 1;51(8):444-447. doi: 10.3928/23258160-20200804-04. PMID: 32818276
4. 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 Feb;46(2):179-184. doi: 10.1080/02713683.2020.1795884. Epub 2020 Jul 23. PMID: 32657614
5. Puente MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, Neves da Silva HV, 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 Nov 1;138(11):1143-1149. doi: .1001/jamaophthalmol.2020.3630.PMID: 32970105 PMID: 32970105
6. Dawson V, 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 Nov 30. doi: 10.1111/aos.14688
7. Christopher KL, Patnaik JL, Infantides C, Miller DC, Davidson RS, Taravella MJ, Lynch A, Wagner B. Time Utilization and Refractive Prediction Enhancement Associated with Intraoperative Aberrometry Use During Cataract Surgery. *CLIN Ophthalmol.* 2021 Feb 11; 15:531-539. doi: 10.2147/OPTH.S287573. eCollection 2021. PMID: 33603331
8. 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 United States. *Ophthalmic Epidemiol.* 2020 Dec 28:1-8. doi: 10.1080/09286586.2020.1866021. Online ahead of print. PMID: 3369513
9. Christopher KL, Patnaik JL, Miller DC, Lynch AM, Taravella MJ, Davidson RS. 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 Surg.* 2021 Jan 1;37(1):60-68. doi: 10.3928/1081597X-20201030-02. PMID: 33432996.

10. 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 Feb 5; 15:437-443. doi: 10.2147/OPTH.S294791. eCollection 2021. PMID: 33574652
11. Williams ER, Patnaik JL, Miller DC, Lynch AM, Seibold LK. Iris Manipulation during Phacoemulsification: Intraoperative and Postoperative Complications. Accepted to the *International Journal of Ophthalmology*, March 2021.

Cataract- National Presentations

1. Alexander J, Bonnell LN, Lynch A, Taravella M. Modern costs of posterior capsular tears (PCT's) to both the hospital system and to patients and their insurers. ASCRS, New Orleans, May 2016. Poster presentation ASCRS, New Orleans, May 2016. Received an award
2. Bonnell L, SooHoo J, Seibold LK, Davidson RS, Mandava N, Cerda A, Lynch AM.; Wagner BD, Taravella M. First-Day Intraocular Pressure Spikes after Phacoemulsification Cataract Surgery Among Patients Taking Tamsulosin. Poster presentation ARVO 2016 Seattle Washington. Received a poster award,
3. Brunin G et al. Comparing YAG Capsulotomy Rates Between Femtosecond Laser-Assisted and Manual Phacoemulsification Cataract Surgery. Poster presentation, ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA,
4. Bonnell LN, Lynch AM, Petrash M, Wagner BD, Davidson RS, Taravella M. Posterior capsule tears during phacoemulsification cataract surgery among patients with a diagnosis of type II diabetes mellitus. Poster presentation, ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA,
5. Wise RE, Bonnell LN, Lynch AM, Taravella M. Evaluating the Risk of a Prior Pars Plana Vitrectomy with Adverse Intraoperative events during Cataract Surgery. ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA
6. Wildes MT, Bonnell LN, Lynch AM, Taravella MJ. Utility of routine 1-2-week postoperative review for detecting early complications after phacoemulsification cataract surgery, Poster presentation, ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA
7. Nagaraj RH, Rakete S, Rankenberg J, Bonnell L, Wagner B, Lynch A, Henning C, Glomb MA. Advanced Glycation Endproducts in capsulorhexis specimen: Correlation with Diabetic Retinopathy. Poster presentation, ARVO. May 7-11, 2017, Baltimore Md.
8. Ryburn C, Patnaik JL, Davidson R, Lynch AM, Miller C, Taravella MJ. Cost of cataract complications, Podium presentation, ASCRS Symposium on Cataract, IOL and Refractive Surgery. April 13-17, 2018, Washington DC.
9. Christopher K, Patnaik J, Lynch AM, Davidson R, and Miller, C, 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. ASCRS Symposium on Cataract, IOL and Refractive Surgery. April 13-17, 2018, Washington DC.
10. Miller VJ, Patnaik JL, Lynch AM, Taravella MJ, Palestine AG, Nagaraj RH. Risk Factors Predisposing to Early Nd: YAG Capsulotomy in a Colorado Cohort. ARVO, Annual meeting 2018, Hawaii Convention Center, Honolulu, Hawaii
11. 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. ARVO annual meeting, April 2019, Vancouver, Canada.
12. Wildes M, Patnaik J, Bonnell LN, Davidson RS, Lynch AM, Soohoo JR, Nagaraj R, Taravella MJ, Risk of Posterior Capsule Complications in patients with Type 2 Diabetes Mellitus during Phacoemulsification Cataract Surgery. ASCRS, May 3-7, 2019 San Diego CA

13. Christopher K, Patnaik J, Lynch AM, Miller C, Taravella M. Time cost versus effect of intraoperative aberrometry on intraocular lens selection in association with various subgroups. ASCRS May 3–7, 2019 San Diego CA
14. Petrash C, Patnaik JL, Lynch AM, Petrash M, Christopher K. Visual acuity from time of cataract surgery to ND: YAG laser capsulotomy. Poster presentation, ARVO annual meeting, April 2019, Vancouver, Canada.
15. 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. Poster presentation, ARVO, annual meeting, April 2019, Vancouver, Canada.
16. 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. Poster presentation ARVO annual meeting, April 2019, Vancouver, Canada.
17. Wildes M, Patnaik JL, Taravella M, Davidson R, Lynch AM. Risk of posterior capsule complication in patients with type 2 diabetes mellitus during phacoemulsification surgery. American Society of Cataract and Refractive Surgery (ASCRS), May 2019, San Diego, CA.
18. Christopher K et al – 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 2019, Summer Symposium, August 22-25, 2019. Coeur D’Alene Resort in Coeur D’Alene, Idaho.
19. Dawson V, Lynch AM, Patnaik JL, Christopher K. Comparison of Refractive Prediction for Intraoperative Aberrometry and Barrett True K Formula in Cataract Surgery Patients with Prior Radial Keratotomy. ARVO, May 03 - 07, 2020.
20. 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. ARVO, May 03 - 07, 2020.
21. Williams E, Patnaik JL, Seibold L, Capitena C, Soohoo JR, Pantcheva MB, Patnaik JL, Kahook MY. Iris manipulation and outcomes of complications and inflammation. ASCS Annual Meeting, Boston, Massachusetts, United States between 15-19 May **2020**
22. Puente, MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, da Silva HV, Chen C, Taravella MJ, Palestine AG. Federal Regulations in the United States and Canada Influence Potential Corneal Donation by Men Who Have Sex with Men. ARVO, May 03 - 07, 2020.
23. Puente, MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, da Silva HV, Chen C, Taravella MJ, Palestine AG. Federal Regulations in the United States and Canada Influence Potential Corneal Donation by Men Who Have Sex with Men. AAO Mid-Year Forum, Washington, DC (meeting cancelled, but vote held remotely)
24. Puente, MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, da Silva HV, Chen C, Taravella MJ, Palestine AG. Federal Regulations in the United States and Canada Influence Potential Corneal Donation by Men Who Have Sex with Men. Eye Bank Association of America Annual Meeting (June 20), Dallas, TX (meeting held online).

25. Puente, MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, da Silva HV, Chen C, Taravella MJ, Palestine AG. Federal Regulations in the United States and Canada Influence Potential Corneal Donation by Men Who Have Sex with Men. Gay and Lesbian Medical Association Annual Conference (September 23-26), Fort Lauderdale, FL (meeting moved online).
26. 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 (Virtual), April 2021.
27. St. Peter D, Patnaik JL, Davis N, Kahook MY, Seibold LK. Reduction of eyedrop volume from topical ophthalmic medications with the Nanodropper bottle adaptor. AGS (virtual meeting), March 2021.
28. 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 (virtual) 2021

Cataract-Local Presentations

1. Davidson, RS, Bonnell LB, Lynch AM, Wagner BD, Taravella MJ. UCHealth Eye Center Cataract Surgery Outcomes. Podium Presentation, 19th Annual Ophthalmology Symposium September 19, 2015.
2. Davidson R. Modern Cost of posterior capsule rupture. 20th Annual Ophthalmology Symposium, Department of Ophthalmology, University of Colorado School of Medicine. September 23, 2016.
3. Rodriguez-Colon G, Bonnell LN, SooHoo JR, Seibold LK, Lynch AM, Wagner BD, Davidson RS, Taravella MJ. One-day postoperative intraocular pressure spikes after phacoemulsification cataract surgery in patients taking tamsulosin. Podium presentation at the 20th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 18, 2016. Aurora CO.
4. Lindt MC, Singh JK, Wagner BD, Davidson RS, Hokanson JE, Taravella MJ, Lynch AM. Graves Disease and Refractive Errors after Cataract Surgery. Capstone Presentation Colorado School of Public Health May 12, 2017.
5. Lindt MC, Singh JK, Wagner BD, Davidson RS, Hokanson JE, Taravella MJ, Lynch AM. Graves Disease and Refractive Errors after Cataract Surgery. Podium presentation at the 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017. Aurora CO.
6. Brunin G, MD, Bonnell L, Lindt M, Lynch AM, Davidson RS, MD, Taravella MJ, Comparing YAG Capsulotomy Rates Between Femtosecond Laser-Assisted and Manual Phacoemulsification Cataract Surgery. Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day.
7. Christopher K, Patnaik J, Lynch AM, Davidson R, and Miller, C, 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. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day, June 23, 2018.

8. Wildes MT, Bonnell LN, Lynch AM, Taravella MJ. Utility of routine 1-2 week postoperative review for detecting early complications after phacoemulsification cataract surgery. Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017, Aurora CO
9. Ryburn C, Patnaik JL, Davidson R, Lynch AM, Miller C, Taravella MJ. Cost of cataract complications. Podium presentation, ASCRS Symposium on Cataract, IOL and Refractive Surgery. April 13-17, 2018, Washington DC.
10. Ryburn C, Davidson R, Patnaik JL, Miller C, Alexander J, Lynch AM, Taravella MJ. Cost of cataract complications. Podium presentation, 23rd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 22, 2018 Aurora CO.
11. Wildes M, Patnaik JL, Taravella M, Davidson R, Lynch AM. Risk of posterior capsule complication in patients with type 2 diabetes mellitus during phacoemulsification surgery. Podium presentation, 23rd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 22, 2019 Aurora CO.
12. Williams ER, Patnaik JL, Miller DC, Lynch AM, Seibold LLK. Iris Manipulation during Phacoemulsification: Intra-operative and Post-operative Complications. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2020, Aurora CO
13. Puente, MA, Patnaik JL, Lynch AM, Snyder BM, Caplan CM, Pham B, da Silva HV, Chen C, Taravella MJ, Palestine AG. Federal Regulations in the United States and Canada Influence Potential Corneal Donation by Men Who Have Sex with Men. Podium presentation, University of Colorado Ophthalmology Symposium, September 2020

Glaucoma

Glaucoma-Manuscripts published or accepted for publication.

1. Lazcano-Gomez G, J RS, Lynch A, et al. Neovascular Glaucoma: A Retrospective Review from a Tertiary Eye Care Center in Mexico. *Journal of current glaucoma practice*. 2017 May-Aug;11(2):48-51. PubMed PMID: 28924338. Pubmed Central PMCID: PMC5577119. Epub 2017/09/20. eng.
2. Manoharan N, Patnaik JL, Bonnell LN, et al. Refractive outcomes of phacoemulsification cataract surgery in glaucoma patients. *J Cataract Refract Surg*. 2018 Mar;44(3):348-54. PubMed PMID: 29605284. Epub 2018/04/02. eng.
3. Seibold LK, Wagner BD, Lynch AM, et al. The Diurnal and Nocturnal Effects of Pilocarpine on Intraocular Pressure in Patients Receiving Prostaglandin Analog Monotherapy. *Journal of ocular pharmacology and therapeutics : the official journal of the Association for Ocular Pharmacology and Therapeutics*. 2018 Oct;34(8):590-5. PubMed PMID: 30192156. Pubmed Central PMCID: PMC6205087. Epub 2018/09/08. eng.
4. Sieck EG, 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* Jul-Aug 2018;1(1):75-81. doi: 10.1016/j.ogla.2018.06.006. Epub 2018 Jul 6.
5. Epstein R, Scott A, Capitena Young C, Patnaik JL, Pantcheva M, SooHoo J, Kahook M, Seibold L. Optimal time for angle visualization before or after phacoemulsification. Accepted to JCRS
6. Sieck E, Capitena C Epstein RS, Soohoo JR, Pantcheva MB, Patnaik JL, Lynch AM, Kahook MY, Seibold LK. Refractive Outcomes among Glaucoma Patients undergoing Phacoemulsification Cataract Extraction with and without the Kahook Dual Blade Goniotomy. Accepted for publication *Eye and Vision* (August 2019). * Best poster
7. Patnaik JL, Kahook MY. Letter regarding article: Long-term follow-up and clinical evaluation of the light-adjustable intraocular lens implanted after cataract removal 7-year results. *J Cataract Refract Surg*. 2020 Jun;46(6):929. doi:10.1097/j.jcrs.000000000000191; PMID: 32541421
8. 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*. Nov-Dec 2020;3(6):453-459. doi: 10.1016/j.ogla.2020.06.009. Epub 2020 Jul 3.
9. Siegel DT, Ertel MK, Patnaik JL, Awadallah NS, Capitena CE, Seibold LK, Kahook MY. Acute Ocular Effects of Sphenopalatine Ganglion Nerve Block. *J Curr Glaucoma Pract*. May-Aug 2020;14(2):57-60. doi: 10.5005/jp-journals-10078-1282.
10. Fischer NA, Kahook MY, Abdullah S, Porteous E, Ammar DA, Patnaik JL, SooHoo. Effect of Novel Design Modifications on Fibrotic Encapsulation: An In Vivo Glaucoma Drainage Device Study in a Rabbit Model. *Ophthalmol Ther*. 2020 Jun;9(2):279-291. doi: 10.1007/s40123-020-00242-0. Epub 2020 Mar 9. PMID: 32152939
11. Capitena Young CE, Patnaik JL, Seibold LK, Kahook MY. Attitudes and Perceptions Toward Virtual Health in Eye Care During Coronavirus Disease 2019. Attitudes and Perceptions towards Virtual Health in Eye Care During COVID-19. *Telemed J E Health*. 2021 Feb 1. doi: 10.1089/tmj.2020.0424. Online ahead of print. PMID: 33524299

12. Singh A, Patnaik JL, Capitena Young C, Epstein RS, Soohoo JR, Pantcheva MB, Patnaik JL, Kahook MY, Seibold LK. Comparison of clinical outcomes after Xen gel stent and Ex-Press glaucoma drainage device. Accepted February 2021, J Glaucoma.

Glaucoma - National Presentations

1. Manoharan N, Bonnell LN, Lynch A, Seibold L. Refractive Outcomes of Cataract Surgery in Glaucoma Patients. Accepted for presentation at ASCRS, New Orleans, May 2016. Poster presentation
2. **Bonnell Levi N. Bonnell, MPH; Jeffrey R. SooHoo, MD; Leonard K. Seibold, MD; Richard S. Davidson, MD; Naresh Mandava, MD; Ashlee Cerda, MPH; Anne Lynch, MD, MSPH; Brandie D. Wagner, PhD; Michael Taravella, MD. First-Day Intraocular Pressure Spikes after Phacoemulsification Cataract Surgery Among Patients Taking Tamsulosin. Poster presentation ARVO 2016 Seattle Washington.
3. Petty ST, Bonnell, LN, Lynch AM, Petty JS. Assessing the Changes in Relative Humidity over the Cornea, Using 3 Different Eyeglass Frame Designs. Poster presentation. ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA.
4. Capitena C, Corbett D, Cerda A, SooHoo JR, Pantcheva M, Kahook M, Lynch AM, Seibold LK. Omega Fatty Acid levels in Primary Open Angle Glaucoma. Poster presentation at the 27th American Glaucoma Society (AGS) Annual Meeting, March 2-5, 2017, Coronado, Ca.
5. Seibold LK, Wagner, BD Lynch AM, Kahook MY. The Diurnal and Nocturnal Effect of Pilocarpine on Intraocular Pressure and Ocular Perfusion Pressure in Patients Receiving Prostaglandin Analogue Monotherapy. Poster presentation, 28th American Glaucoma Society (AGS) Annual Meeting, March 1-4 New York City. NY.
6. 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. Poster presentation, 28th American Glaucoma Society (AGS) Annual Meeting, March 1-4 New York City. NY
7. SooHoo JR, Capitena Young CE, Pantcheva MB, Kahook MY, Patnaik JL, Lynch AM, Seibold LK. Posterior Capsule Opacification Rates following Phacoemulsification in Glaucoma Patients and Patients without Glaucoma. Poster presentation, 28th American Glaucoma Society (AGS) Annual Meeting, March 1-4 New York City. NY
8. Capitena 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 Extraction with and without the Kahook Dual Blade Goniotomy. Poster presentation, AGS 2019 Mar 14 - 17, 2019 San Francisco, CA
9. Weldy E, Seibold L, Koduri V, Soohoo JR, Pantcheva MB, Patnaik JL, Kahook MY, Seibold LK. Perceptions of patients, physicians, and dispensaries regarding marijuana as a treatment for glaucoma. American Glaucoma Society Annual Meeting, February 27 to March 1, 2020 Washington, DC.
10. Stoner A, Seibold L, Soohoo JR, Pantcheva MB, Patnaik JL, Capitena C, Kahook MY. Xen versus EXPRESS and outcomes. American Glaucoma Society Annual Meeting, February 27 to March 1, 2020 Washington, DC.
11. Scott A, Seibold L, Soohoo JR, Pantcheva MB, Patnaik JL, Capitena C, Kahook MY, Outcomes of Kahook Dual Blade Goniotomy with and without ECP American Glaucoma Society Annual Meeting, February 27 to March 1, 2020 Washington, DC.

12. Ertel M, Seibold L, Soohoo JR, Capitena C, Pantcheva MB, Patnaik JL, Kahook MY, American Glaucoma Society Annual Meeting, February 27 to March 1, 2020 Washington, DC.
13. Patnaik JL, Kramer BA, Berdahl JP, Wagner BD, Seibold LK, Kahook MY. Is Axial Length Associated with Rotation of Toric Intraocular Lenses? Accepted as a poster presentation to AAO 2020

Glaucoma Local Presentations

1. Rodriguez-Colon G, Bonnell LN, SooHoo JR, Seibold LK, Lynch AM, Wagner BD, Davidson RS, Taravella MJ. One-day postoperative intraocular pressure spikes after phacoemulsification cataract surgery in patients taking tamsulosin. Podium presentation, 20th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 18, 2016. Aurora CO
2. Capitena C, Corbett D, Cerda A, SooHoo JR, Pantcheva M, Kahook M, Lynch AM, Seibold LK. Omega Fatty Acid levels in Primary Open Angle Glaucoma. Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017. Aurora CO.
3. 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. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018. Aurora CO.
4. Manoharan N, Bonnell LN, Lynch A, Seibold L. Refractive Outcomes of Cataract Surgery in Glaucoma Patients. Podium presentation, 22nd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018. Aurora CO Research Day. June 23, 2018. Aurora CO.
5. Sieck E, Epstein RS, Kennedy JB, SooHoo JR, Pantcheva MB, Patnaik JL, Lynch AM, Kahook MY, Seibold LK. Two year Outcomes of Kahook Dual Blade Goniotomy with and without Phacoemulsification Cataract Extraction. Podium presentation, 23rd Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 22, 2018. Aurora CO.

Neuro-Ophthalmology

Neuro-ophthalmology-National Presentation

1. Ghannam AB, Subramanian PS, Bennett JL, Pelak VS, MD, Lazcano Gomez G, Lynch AM. Evaluation of Optic Disc Vascularization in Patients with Acute and Chronic Non Arteritic Ischemic Optic Neuropathy (NAION) using Optical Coherence Tomography Angiography (OCT-A). NAIOS meeting 2017.
2. Martin Paez Y; Lynch AM; Churney T; Patnaik JL; Jasso MC; Subramanian PS; Mandava N; Holden SK; Pelak, VS Cognitive and Neurological Screening of Controls in an Age-Related Macular Degeneration Registry. Poster presentation, NANOS, Las Vegas, Nevada

Neuro-Ophthalmology-Local Presentation

1. Ghannam AB, Subramanian PS, Bennett JL, Pelak VS, MD, Lazcano Gomez G, Lynch AM. Evaluation of Optic Disc Vascularization in Patients with Acute and Chronic Non Arteritic Ischemic Optic Neuropathy (NAION) using Optical Coherence Tomography Angiography (OCT-A). Podium presentation, 21st Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 24, 2017, Aurora CO

Uveitis and Ocular Inflammation

Manuscripts accepted or published

1. Fliney GD, Pecen PE, Cathcart JN, Palestine AG. Trends in treatment strategies for suspected bacterial endophthalmitis. *Graefes Arch Clin Exp Ophthalmol*. 2018 Apr;256(4):833-8. PubMed PMID: 29417214. Epub 2018/02/09. eng.
2. Fredrickson JS, Kolfenbach JR, Holmes JL, Cathcart JN, Lynch AM, Palestine AG. Therapeutic challenges in the treatment of systemic inflammatory disease in pregnancy. *Obstet Med*. 2019 Dec;12(4):180-185. doi: 10.1177/1753495X18819929. Epub 2019 Jan 9. PMID: 31853258
3. Fredrickson JS, Holmes J, Cathcart JN, Lynch AM, Kolfenbach JR, Palestine AG. Specialty management differences of syphilis and toxoplasmosis surrounding pregnancy: a prospective cross-sectional study. *J Ophthalmic Inflamm Infect*. 2018 Jul 3;8(1):10. doi: 10.1186/s12348-018-0152-9. PMID: 29971681
4. Reddy AK, Patnaik JL, Miller DC, Lynch AM, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. *Am J Ophthalmol*. 2019 Feb 19. S0002-9394(19)30068-6. doi: 10.1016/j.ajo.2019.02.016. [Epub ahead of print] PMID: 30794788
5. 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):522-526. doi: 10.1097/CMR.0000000000000599. PMID: 30870269

Uveitis/inflammation-National Presentations

1. Reddy AK, Patnaik JL, Miller C, Lynch AM, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. Poster presentation, AAO 2018, Chicago.

Uveitis/Inflammation-Local Presentations

1. Reddy AK, Patnaik JL, Miller C, Lynch AM, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. Podium presentation, 22th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018. Aurora CO
2. Miller C, Reddy AK, Patnaik JL, Lynch AM, Palestine AG, Pantcheva MB. Risk factors associated with persistent anterior uveitis after cataract surgery. Presentation to Colorado Summer Institute in Biostatistics (CoSIBS). Thursday, August 2nd, 2018. Shore family forum, Nighthorse Campbell, Anschutz Medical Campus
3. Mackin AG, Pecen PE, Dinsmore AL, Patnaik JL, Gonzalez R, Robinson WA, Palestine AG. Inflammatory side effects of BRAF and MEK inhibitors. Podium presentation at the 23rd Annual Ophthalmology Resident, Fellow
4. 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. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2020. Aurora CO

5. Reddy A, Patnaik JL, Miller C, Lynch A; Palestine A, Pantcheva M. Risk Factors for Persistent Anterior Uveitis after Cataract Surgery. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni, Research Day. June 20, 2020. Aurora CO.
6. Rohl A, Patniak JL, Miller DC, Palestine A. An Analysis of Uveitis Reactivation in Patients with a History of Uveitis Undergoing Cataract Surgery. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni, Research Day. June 20, 2020. Aurora CO.

Dry Eye and Steven-Johnsons Syndrome (SJS)

Dry eye/SJS-Manuscripts published or accepted for publication.

1. Petty ST, Patnaik JL, Bonnell L, Lynch AM, Davidson RS, Petty JS. Effect of three glass frame designs on relative humidity and temperature measured over the cornea. Accepted J Dry Eye Ocul Surf Dis.

Dry Eye – National Presentations

1. Amy Cherof, MD; Brandie D Wagner, PhD; Ashlee M Cerda, MPH; Michael T Wildes, MD; Anne Lynch, MD, MSPH; Darren Gregory, MD. Acute Stevens - Johnson syndrome: Timing of amniotic membrane transplantation and occurrence of significant ocular sequelae. Podium Presentation at the American Academy of Ophthalmology Conference 2015. Las Vegas, Nevada. Best presentation award.
2. Petty ST, Bonnell, LN, Lynch AM. Petty JS. Assessing the Changes in Relative Humidity over the Cornea, Using 3 Different Eyeglass Frame Designs. Poster presentation. ASCRS Symposium on Cataract, IOL and Refractive Surgery. May 5-9, 2017, Los Angeles, CA.

Dry Eye/SJS- Local Presentations

1. Petty ST, Bonnell, LN, Lynch AM. Petty JS. Assessing the Changes in Relative Humidity over the Cornea, Using 3 Different Eyeglass Frame Designs. Podium presentation at the 20th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 18, 2016. Aurora CO.

Oculoplastics

Oculoplastics- Local Presentations

1. Echaliel EL, Patnaik JL, Lynch AM, Cathcart JN, Hink, E, Wagner A, Liao S. Ophthalmic sequelae of severe burns. 22nd Annual Resident, Fellow, Faculty and Alumni Research Day. June 23, 2018
2. Echaliel L, Larochelle RD, Patnaik JL, Wagner A, Echaliel B, Hink EM Subramanian PS, Liao SD. Predictors and Outcomes of Canthotomy/Cantholysis Among Patients with Severe Burns. Podium presentation, 24th Annual Ophthalmology Resident, Fellow, Faculty and Alumni Research Day. June 20, 2020. Aurora CO.

Other Projects including Global Health

Other-Manuscripts published or accepted for publication

1. Singh J, Lovelace K, Patnaik J, Enzenauer RW. Pediatric Ophthalmology fellowship survey: fellows selection criteria for training programs. Journal of Academic Ophthalmology.
2. Gelston CD, Patnaik JL, Ophthalmology training and competency levels in care of patients with ophthalmic complaints in United States internal medicine, emergency medicine and family medicine residents. J Educ Eval Health Prof. 2019; 16:25. doi: 10.3352/jeehp.2019.16.25. Epub 2019 Aug 29.

3. 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 among children and adults in the Bangladesh Rohingya displaced population and host community: The Orbis International service model. *PLoS Med.* 2020 Mar 31;17(3): e1003096. doi: 10.1371/journal.pmed.1003096. eCollection 2020 Mar.
4. Infantides C, Deitz GA, Christopher KL, Patnaik JL, Smith JM, Subramanian PS. Ophthalmic Injuries by Less-Lethal Kinetic Weapons During the US George Floyd Protests in Spring 2020. *JAMA Ophthalmol.* 2021 Feb 1;139(2):242-244. doi: 10.1001/jamaophthalmol.2020.5325. PMID: 33270094

Other National Presentation.

1. Miller V et al. Gender Representation in an Ophthalmology Newsletter Cover Article Over Time. Women in ophthalmology 2019. Summer Symposium, August 22-25, 2019. Coeur D'Alene Resort in Coeur D'Alene, Idaho
2. Sedhom J, Patnaik JL, Kahook MY, Seibold LK. Physician burnout in ophthalmology: A national survey. ASCRS (Virtual), April (virtual meeting) 2021.
3. 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 (virtual meeting), April 2021.
4. 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).
5. 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).