

WILLS EYE PUBLICATIONS LIST – SEPTEMBER 2024

**A Wills Eye affiliation search function was used in PubMed to populate the list below. Any manuscripts published in July 2024 under a different affiliation and/or not present on PubMed was not included in this list.*

1. Chew EY, Burns SA, Abraham AG, Bakhoun MF, Beckman JA, Chui TYP, Finger RP, Frangi AF, Gottesman RF, Grant MB, Hanssen H, Lee CS, Meyer ML, Rizzoni D, Rudnicka AR, **Schuman JS**, Seidemann SB, Tang WHW, Adhikari BB, Danthi N, Hong Y, Reid D, Shen GL, Oh YS. Standardization and clinical applications of retinal imaging biomarkers for cardiovascular disease: a Roadmap from an NHLBI workshop. *Nat Rev Cardiol*. 2024 Jul 22. doi: 10.1038/s41569-024-01060-8. Epub ahead of print. PMID: 39039178. <https://pubmed.ncbi.nlm.nih.gov/39039178/>
2. **Singh H, Bansal R, Shields CL**. Retinal Pigment Epithelial Adenocarcinoma Growth with Vitreous Seeding. *Ophthalmol Retina*. 2024 Jul 15:S2468-6530(24)00275-6. doi: 10.1016/j.oret.2024.06.006. Epub ahead of print. PMID: 39007797. <https://pubmed.ncbi.nlm.nih.gov/39007797/>
3. **Momenaei B**, Zhou A, Kazan AS, **Wakabayashi T**, **Obeid A**, **Morano M**, Khan MA, **Xu D**, **Kuriyan AE**, **Yonekawa Y**, **Hsu J**, **Ho AC**. Retinal Tear and Retinal Detachment Following Cataract Surgery in Eyes with a Previous History of Treated Phakic Retinal Tears. *Ophthalmology*. 2024 Jul 1:S0161-6420(24)00392-0. doi: 10.1016/j.ophtha.2024.06.021. Epub ahead of print. PMID: 38960338. <https://pubmed.ncbi.nlm.nih.gov/38960338/>
4. **Samuelson AG**, **Patel SN**, **Kommareddy K**, **Momenaei B**, Yu-Chuan Kang E, Chaudhary V, **Hsu J**, **Dunn JP**, **Vander JF**, **Garg SJ**. Outcomes of Post-Cataract Surgery Endophthalmitis Managed Without Microbial Cultures. *Ophthalmol Retina*. 2024 Jul 20:S2468-6530(24)00338-5. doi: 10.1016/j.oret.2024.07.015. Epub ahead of print. PMID: 39038541. <https://pubmed.ncbi.nlm.nih.gov/39038541/>
5. Greenfield JA, Malek DA, Anant S, Antonietti M, Jammal A, Casella A, Miller SC, **Wang K**, **Momenaei B**, **Lee K**, **Mansour HA**, Justin GA, Makhoul KG, Bitar RA, Lorch AC, Armstrong GW, **Wakabayashi T**, **Yonekawa Y**, Woreta F, Cuvuoto K. A multi-center analysis of visual outcomes following open globe injury. *Sci Rep*. 2024 Jul 18;14(1):16638. doi: 10.1038/s41598-024-67564-y. PMID: 39025892; PMCID: PMC11258120. <https://pubmed.ncbi.nlm.nih.gov/39025892/>
6. **Thaler A**, **Catapano TM**, **Shields CL**. Adenoma of the Retinal Pigment Epithelium Arising from Congenital Hypertrophy. *Ophthalmol Retina*. 2024 Jul 17:S2468-6530(24)00307-5. doi: 10.1016/j.oret.2024.06.014. Epub ahead of print. PMID: 39023464. <https://pubmed.ncbi.nlm.nih.gov/39023464/>
7. Singh RB, Dohlman TH, Ivanov A, Hall N, Ross C, Elze T, Miller JW, Lorch A, Yuksel E, Yin J, Dana R; **IRIS Registry Data Analytic Center Consortium**. Corneal Opacity in the United States: An American Academy of Ophthalmology IRIS® Registry (Intelligent Research in Sight) Study. *Ophthalmology*. 2024 Jul 8:S0161-6420(24)00416-0. doi: 10.1016/j.ophtha.2024.07.005. Epub ahead of print. PMID: 38986874. <https://pubmed.ncbi.nlm.nih.gov/38986874/>
8. **Konda SM**, **Deaner JD**, **Proia AD**, **Jaffe GJ**. PRIMARY VITREORETINAL LYMPHOMA MASQUERADING AS POSTOPERATIVE ENDOPHTHALMITIS IN A PREGNANT PATIENT WITH LONG-STANDING IDIOPATHIC PANUVEITIS. *Retin Cases Brief Rep*. 2024 Jul 1;18(4):468-472. doi: 10.1097/ICB.0000000000001430. PMID: 37037028. <https://pubmed.ncbi.nlm.nih.gov/37037028/>
9. Akhtar HN, Nicholson L, Ockrim Z, Neveu M, Webster AR, Michaelides M, **Mahroo OA**. Loss of sheen in Oguchi disease following short wavelength exposure. *Eye (Lond)*. 2024 Jul 14. doi:

- 10.1038/s41433-024-03237-4. Epub ahead of print. PMID: 39003433. <https://pubmed.ncbi.nlm.nih.gov/39003433/>
10. Ustaoglu M, **Eagle RJ Jr**, Bloom SM, Wang W, Barr CC, Adeniran JF. UNILATERAL, SECTORAL RETINAL METASTASIS OF SMALL-CELL LUNG CANCER MIMICKING VIRAL RETINITIS. *Retin Cases Brief Rep*. 2024 Jul 1;18(4):481-485. doi: 10.1097/ICB.0000000000001415. PMID: 37104687. <https://pubmed.ncbi.nlm.nih.gov/37104687/>
 11. Pang Y, Bang JW, Kasi A, Li J, Parra C, Fieremans E, **Wollstein G**, **Schuman JS**, Wang M, Chan KC. Contributions of Brain Microstructures and Metabolism to Visual Field Loss Patterns in Glaucoma Using Archetypal and Information Gain Analyses. *Invest Ophthalmol Vis Sci*. 2024 Jul 1;65(8):15. doi: 10.1167/iovs.65.8.15. PMID: 38975942; PMCID: PMC11232899. <https://pubmed.ncbi.nlm.nih.gov/38975942/>
 12. Lains I, Ivanov A, Ross C, Hall N, Elze T, Lorch A, Miller JW, Sobrin L, Gong D; **IRIS® Registry Data Analytic Center Consortium**. Treatment Regimen and Outcomes in Acute Retinal Necrosis - an IRIS® Registry Study. *Ophthalmology*. 2024 Jul 19:S0161-6420(24)00431-7. doi: 10.1016/j.optha.2024.07.020. Epub ahead of print. PMID: 39033858. <https://pubmed.ncbi.nlm.nih.gov/39033858/>
 13. **Bommakanti N**, **Obeid A**, **Yonekawa Y**. Stellate Nonhereditary Idiopathic Foveomacular Retinoschisis with Bilateral Peripheral Retinoschisis. *Ophthalmol Retina*. 2024 Jul 17:S2468-6530(24)00302-6. doi: 10.1016/j.oret.2024.06.009. Epub ahead of print. PMID: 39023466. <https://pubmed.ncbi.nlm.nih.gov/39023466/>
 14. Bowd C, Belghith A, Rezapour J, Jonas JB, **Hyman L**, Weinreb RN, Zangwill LM. Wide-Field Optical Coherence Tomography Imaging Improves Rate of Change Detection in Progressing Glaucomatous Eyes Compared With Standard-Field Imaging. *Invest Ophthalmol Vis Sci*. 2024 Jul 1;65(8):18. doi: 10.1167/iovs.65.8.18. PMID: 38980269; PMCID: PMC11235143. <https://pubmed.ncbi.nlm.nih.gov/38980269/>
 15. **Cobbs LV**, Soares RR, Spirn M, Mehta S. PREMATURE EMULSIFICATION OF SILICONE OIL AFTER RETINAL DETACHMENT REPAIR IN THE SETTING OF HIGH-INTENSITY EXERCISE. *Retin Cases Brief Rep*. 2024 Jul 1;18(4):486-487. doi: 10.1097/ICB.0000000000001412. PMID: 36913668. <https://pubmed.ncbi.nlm.nih.gov/36913668/>
 16. Nanji K, Kennedy K, Fung M, Xie J, Hatamnejad A, **Garg SJ**, Wykoff CC, Chaudhary V. Impact of COVID-19 on a real-world treat-and-extend regimen with aflibercept for neovascular age-related macular degeneration. *Can J Ophthalmol*. 2024 Jul 19:S0008-4182(24)00169-8. doi: 10.1016/j.cjco.2024.05.027. Epub ahead of print. PMID: 39033785. <https://pubmed.ncbi.nlm.nih.gov/39033785/>
 17. **Tomaiuolo M**, **Deaner J**, VanderBeek BL, **Acharya B**, **Syed ZA**, **Zhang Q**, **Schuman JS**, **Hyman L**. Are Treatment Patterns for Endophthalmitis After Cataract Surgery Following the EVS Trial Recommendations? An IRIS® Registry Analysis. *Ophthalmol Retina*. 2024 Jul 22:S2468-6530(24)00337-3. doi: 10.1016/j.oret.2024.07.014. Epub ahead of print. PMID: 39048058. <https://pubmed.ncbi.nlm.nih.gov/39048058/>
 18. Quintero M, Mahjoub H, Ssekasanvu J, **Yonekawa Y**, Justin GA, Cavuoto KM, Lorch A, Madan V, Sivakumar I, Zhao X, Simeon OF, **Salabati M**, **Wu CM**, Woreta FA. Sociodemographic Factors Associated with Emergent Eye-Related Emergency Department Visits: A Multicenter Analysis. *Am J Ophthalmol*. 2024 Jul 5:S0002-9394(24)00294-0. doi: 10.1016/j.ajo.2024.06.031. Epub ahead of print. PMID: 38972497. <https://pubmed.ncbi.nlm.nih.gov/38972497/>
 19. (May) Vilares Morgado R, **Guedes J**, Ferreira AM, Q Salomão M, Faria-Correia F, Rocha Sousa A, Ambrósio R Jr. Advanced Surface Ablation in a Patient With Suspect Topography: A Case Report. *Cureus*. 2024 May 14;16(5):e60277. doi: 10.7759/cureus.60277. PMID: 38872649; PMCID: PMC11172391.

Congratulations to the Wills Eye faculty, trainees and staff on the 23 papers published* in August 2024!

(*A Wills Eye affiliation search function was used in PubMed to populate the list below. Any manuscripts published in August 2024 under a different affiliation and/or not present on PubMed was not included in this list. This list is also published in the Research section of the Wills Eye website at <https://www.willseye.org/research-2/publications/>.)

1. **Catapano TM, Kurian DE, Milman T, Hsu J, Shields CL.** Vitreoretinal metastasis from lung adenocarcinoma. *Can J Ophthalmol.* 2024 Aug 13:S0008-4182(24)00245-X. doi: 10.1016/j.jcjo.2024.07.020. Epub ahead of print. PMID: 39151895. <https://pubmed.ncbi.nlm.nih.gov/39151895/>
2. **Lee KE, Torjani A, Thuma TBT, Zhang QE, Gunton J, Saffren B, Gunton KB.** Amblyopia and physical activity in adolescents. *Strabismus.* 2024 Aug 13:1-7. doi: 10.1080/09273972.2024.2356120. Epub ahead of print. PMID: 39136452. <https://pubmed.ncbi.nlm.nih.gov/39136452/>
3. **Rocha KM, Farid M, Raju L, Beckman K, Ayres BD, Yeu E, Rao N, Chamberlain W, Zavodni Z, Lee B, Schallhorn J, Garg S, Mah FS;** From the ASCRS Cornea Clinical Committee. Eyelid margin disease (blepharitis and meibomian gland dysfunction): clinical review of evidence-based and emerging treatments. *J Cataract Refract Surg.* 2024 Aug 1;50(8):876-882. doi: 10.1097/j.jcrs.0000000000001414. PMID: 38350160. <https://pubmed.ncbi.nlm.nih.gov/38350160/>
4. **Guedes J, Hespanhol LC, Freitas MAA, Balieiro CCA, Souza MEC, Faneli AC, Melo HSS, Mora-Paez DJ, Fontes BM.** Efficacy and Safety of Perfluorohexyloctane in Evaporative Dry Eye Disease Associated With Meibomian Gland Dysfunction: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Cureus.* 2024 Aug 27;16(8):e67920. doi: 10.7759/cureus.67920. PMID: 39206330; PMCID: PMC11357713. <https://pubmed.ncbi.nlm.nih.gov/39206330/>
5. **Kahook MY, Rapuano CJ, Messmer EM, Radcliffe NM, Galor A, Baudouin C.** Preservatives and ocular surface disease: A review. *Ocul Surf.* 2024 Aug 3;34:213-224. doi: 10.1016/j.jtos.2024.08.001. Epub ahead of print. PMID: 39098762. <https://pubmed.ncbi.nlm.nih.gov/39098762/>
6. **Durrani AF, Momenaei B, Wakabayashi T, Vemula S, Pandit SA, Hsu J, Ho AC, Spirn MJ, Klufas MA, Garg SJ, Vander JF, Regillo CD, Chiang A, Kuriyan AE, Yonekawa Y.** Conversion to faricimab after prior anti-vascular endothelial growth factor therapy for persistent diabetic macular oedema. *Br J Ophthalmol.* 2024 Aug 22;108(9):1257-1262. doi: 10.1136/bjo-2023-324394. PMID: 38346854. <https://pubmed.ncbi.nlm.nih.gov/38346854/>
7. **Maddess T, Carle CF, Kolic M, Saraç Ö, Essex RW, Rohan EMF, Sabeti F, van Kleef JP.** Diagnostic Power and Reproducibility of Objective Perimetry in Glaucoma. *J Glaucoma.* 2024 Aug 23. doi: 10.1097/IJG.0000000000002485. Epub ahead of print. PMID: 39171974. <https://pubmed.ncbi.nlm.nih.gov/39171974/>

8. Yeu E, Garg S, **Ayres BD**, Beckman K, Chamberlain W, Lee B, Raju L, Rao N, Rocha KM, Schallhorn J, Zavodni Z, Mah FS, Farid M; from the ASCRS Cornea Clinical Committee. Current state and future perspectives in the diagnosis of eyelid margin disease: clinical review. *J Cataract Refract Surg.* 2024 Aug 1;50(8):868-875. doi: 10.1097/j.jcrs.0000000000001483. PMID: 38758201. <https://pubmed.ncbi.nlm.nih.gov/38758201/>
9. Pascual-Pasto G, McIntyre B, Giudice AM, Alikarami F, Morrissey A, Matlaga S, Hofmann TJ, Burgueño V, Harvey K, Martinez D, Shah AC, Foster JB, Pogoriler J, **Eagle RC**, Carcaboso AM, **Shields CL**, Leahey AM, Bosse KR. Targeting GPC2 on Intraocular and CNS Metastatic Retinoblastomas with Local and Systemic Delivery of CAR T Cells. *Clin Cancer Res.* 2024 Aug 15;30(16):3578-3591. doi: 10.1158/1078-0432.CCR-24-0221. PMID: 38864848; PMCID: PMC11326963. <https://pubmed.ncbi.nlm.nih.gov/38864848/>
10. Starr MR, **Hinkle JC**, **Patel LG**, **Ammar MJ**, **Soares RR**, **Patel SN**, **Cohen MN**, **Hsu J**, **Yonekawa Y**, **Ho AC**, **Regillo CD**, **Gupta OP**. RANDOMIZED TRIAL COMPARING MICROSERATED VERSUS CONVENTIONAL INTERNAL LIMITING MEMBRANE FORCEPS FOR INTERNAL LIMITING MEMBRANE PEELING. *Retina.* 2024 Aug 1;44(8):1323-1328. doi: 10.1097/IAE.0000000000004138. PMID: 39047125. <https://pubmed.ncbi.nlm.nih.gov/39047125/>
11. VanderBeek BL, Chen Y, **Tomaiuolo M**, **Deaner JD**, **Syed ZA**, **Acharya B**, **Zhang Q**, **Schuman JS**, **Hyman L**. Endophthalmitis Rates and Types of Treatments After Intraocular Procedures. *JAMA Ophthalmol.* 2024 Aug 1:e242749. doi: 10.1001/jamaophthalmol.2024.2749. Epub ahead of print. PMID: 39088207; PMCID: PMC11295066. <https://pubmed.ncbi.nlm.nih.gov/39088207/>
12. **Momenaei B**, **Pandit SA**, **Wang KY**, **Wakabayashi T**, **Hsu J**, **Regillo CD**, **Klufas MA**, **Xu D**, **Cohen MN**, **Garg SJ**, **Kuriyan AE**, **Yonekawa Y**. SUPRACHOROIDAL TRIAMCINOLONE ACETONIDE FOR REFRACTORY POSTOPERATIVE CYSTOID MACULAR EDEMA. *Retina.* 2024 Aug 1;44(8):1379-1386. doi: 10.1097/IAE.0000000000004132. PMID: 39047129. <https://pubmed.ncbi.nlm.nih.gov/39047129/>
13. Gedde SJ, Vinod K, Bowden EC, **Kolomeyer NN**, Chopra V, Challa P, Budenz DL, Repka MX, Lum F. Reporting Clinical Endpoints in Studies of Minimally Invasive Glaucoma Surgery. *Ophthalmology.* 2024 Aug 8:S0161-6420(24)00456-1. doi: 10.1016/j.ophtha.2024.07.030. Epub ahead of print. PMID: 39127407. <https://pubmed.ncbi.nlm.nih.gov/39127407/>
14. Shi M, Lokhande A, Tian Y, Luo Y, Eslami M, Kazeminasab S, Elze T, Shen LQ, Pasquale LR, Wellik SR, De Moraes CG, **Myers JS**, Zebardast N, Friedman DS, Boland MV, Wang M. Transformer-Based Deep Learning Prediction of 10-Degree Humphrey Visual Field Tests From 24-Degree Data. *Transl Vis Sci Technol.* 2024 Aug 1;13(8):11. doi: 10.1167/tvst.13.8.11. PMID: 39110574; PMCID: PMC11316452. <https://pubmed.ncbi.nlm.nih.gov/39110574/>

15. Kaufmann GT, **Gupta O**, Yu J, Nguyen M, Lee CY, Achuck K, Hsu J, Ho A, Regillo C, Garg S, Klufas MA, Mehta S, Xu D, Cohen M, Yonekawa Y, Kuriyan A, Starr MR. VITREORETINAL OUTCOMES FOLLOWING SECONDARY INTRAOCULAR LENS IMPLANTATION WITH PARS PLANA VITRECTOMY. *Retina*. 2024 Aug 1;44(8):1337-1343. doi: 10.1097/IAE.0000000000004139. PMID: 39047127. <https://pubmed.ncbi.nlm.nih.gov/39047127/>
16. Swaminathan S, **Mahmoudzadeh R**, **Wakabayashi T**, Bowers M, **Momenaei B**, Abishek RM, **Salabati M**, **Hsu J**, **Dunn JP**. Outcomes of Pro Re Nata versus Treat-and-Extend Anti-VEGF Injections for Myopic Macular Neovascularization in Multiethnic Patients in the United States. *Retina*. 2024 Aug 20. doi: 10.1097/IAE.0000000000004256. Epub ahead of print. PMID: 39173030. <https://pubmed.ncbi.nlm.nih.gov/39173030/>
17. **Durrani AF**, **Momenaei B**, Soni V, Tennant M, **Hsu J**, **Vander J**, **Spirn M**, Kang EY, Hwang YS, Kaushal G, **Garg SJ**. Long-Term Stability, Sterility, And Cost-Effectiveness of 0.05% Chlorhexidine Gluconate as Antisepsis for Intravitreal Injection. *J Ocul Pharmacol Ther*. 2024 Aug 22. doi: 10.1089/jop.2024.0071. Epub ahead of print. PMID: 39169875. <https://pubmed.ncbi.nlm.nih.gov/39169875/>
18. Antonietti M, Kim CK, **Djulgovic MB**, Gonzalez DJT, Greenfield JA, Uversky VN, Gibbons AG, Karp CL. Effects of Aging on Intrinsic Protein Disorder in Human Lenses and Zonules. *Cell Biochem Biophys*. 2024 Aug 8. doi: 10.1007/s12013-024-01455-x. Epub ahead of print. PMID: 39117985. <https://pubmed.ncbi.nlm.nih.gov/39117985/>
19. Lin WC, Coyner AS, Amankwa CE, Lucero A, **Wollstein G**, **Schuman JS**, Ishikawa H. High Prevalence of Artifacts in Optical Coherence Tomography With Adequate Signal Strength. *Transl Vis Sci Technol*. 2024 Aug 1;13(8):43. doi: 10.1167/tvst.13.8.43. PMID: 39196579; PMCID: PMC11364177. <https://pubmed.ncbi.nlm.nih.gov/39196579/>
20. Lin TY, Hsieh YT, **Garg SJ**, Chen LJ, Chen KJ, Wu WC, Lai CC, Hwang YS, Kang EY. Systemic effects of anti-VEGF intravitreal injection in patients with age-related macular degeneration: A multi-institutional real-world study. *Indian J Ophthalmol*. 2024 Aug 14. doi: 10.4103/IJO.IJO_3194_23. Epub ahead of print. PMID: 39141487. <https://pubmed.ncbi.nlm.nih.gov/39141487/>
21. Fukushima M, Tsuboi K, Akai R, Ishida Y, Kusaka S, Kamei M, Hayashi A, **Wakabayashi T**. Sparing versus Removal of Epiretinal Proliferation in the Surgical Repair of Full-thickness Macular Holes. *Retina*. 2024 Aug 23. doi: 10.1097/IAE.0000000000004261. Epub ahead of print. PMID: 39186669. <https://pubmed.ncbi.nlm.nih.gov/39186669/>
22. Sharma A, **Wakabayashi T**, **Regillo CD**, Cheung CMG, Loewenstein A, Zur D, Goldberg D, Hilely A, Ozdek S, Özdemir HB, Parachuri N, Kumar N, Kuppermann BD, Bandello F, Querques G. Subfoveal neurosensory detachment flattening and observe (SNF-Ob) approach for the management of Ci-DMO - a multicentric study. *Eye (Lond)*. 2024 Aug 3. doi: 10.1038/s41433-024-03275-y. Epub ahead of print. PMID: 39097673. <https://pubmed.ncbi.nlm.nih.gov/39097673/>

23. Kaliki S, Vempuluru VS, Bakal KR, Dorji S, Tanna V, Shields CN, Fallon SJ, Raval V, Ahmad A, Mushtaq A, Hussain M, Yousef YA, Mohammad M, Roy SR, Huque F, Tatiana U, Yuri S, Vladimir P, Zambrano SC, Alarcón-León S, Valdiviezo-Zapata C, Vargas-Martorellet M, Gutierrez-Chira C, Buitrago M, Ortiz JS, Diaz-Coronado R, Tripathy D, Rath S, Patil G, Berry JL, Pike S, Brown B, Tanabe M, Frenkel S, Eiger-Moscovich M, Pe'er J, **Shields CL, Eagle RC Jr, Laiton A, Velasco AM, Vega K, DeSimone J**, Bejjanki KM, Kapoor AG, Venkataraman A, Bryant V, Reddy MA, Sagoo MS, Hubbard GB 3rd, Azarcon CP, Olson TA, Grossniklaus H, Rolfe O, Staffieri SE, O'Day R, Mathew AA, Elder JE, McKenzie JD, Fabian ID, Shemesh R, Vishnevskia-Dai V, Ali MH, Jakati S, Mishra DK, Reddy Palkonda VA. High-Risk Histopathological Features of Retinoblastoma following Primary Enucleation: A Global Study of 1426 Patients from 5 Continents. *Retina*. 2024 Aug 14. doi: 10.1097/IAE.0000000000004250. Epub ahead of print. PMID: 39151183. <https://pubmed.ncbi.nlm.nih.gov/39151183/>