

UNIVERSITY OF CALIFORNIA, LOS ANGELES DEPARTMENT OF OPHTHALMOLOGY
AMERICAN JOURNAL OF OPHTHALMOLOGY

- Ahmadi, A., Sorensen, A., Villaflores, C.W.A., Mafi, J.N., Vangala, S.S., Hofer, I.S., Bartlett, J.D., Cheng, E.M., Duval, V.F., Damberg, C., Elashoff, D., Goldstein, N.J., Ladapo, J.A., Moore, J.M., Pessegueiro, A.M., Shu, S.B., Skoosky, S.A., Turner, A., Sarkisian, C.A., 2021. Protocol for pragmatic randomised trial: integrating electronic health record-based behavioural economic “nudges” into the electronic health record to reduce preoperative testing for patients undergoing cataract surgery. *BMJ Open* 11, e049568. <https://doi.org/10.1136/bmjopen-2021-049568>
- Airaldi, M., Corvi, F., Cozzi, M., Nittala, M.G., Staurenghi, G., Sadda, S.R., 2022. Differences in Long Term Progression of Atrophy between Neovascular and Nonneovascular Age-Related Macular Degeneration. *Ophthalmol Retina* 6, 914–921. <https://doi.org/10.1016/j.oret.2022.04.012>
- Anastasio, T.J., Demer, J.L., Leigh, R.J., Luebke, A.E., von Opstal, A.J., Optican, L.M., Ramat, S., Zee, D.S., 2022. Preface. *Prog Brain Res* 267, xvii–xviii. [https://doi.org/10.1016/S0079-6123\(22\)00029-2](https://doi.org/10.1016/S0079-6123(22)00029-2)
- Araya, J., Araya, C., Conrads, T., Sadun, A., Seleme, N., 2022. Leber Hereditary Optic Neuropathy Conversion in a Patient With Idiopathic Intracranial Hypertension. *J Neuroophthalmol*. <https://doi.org/10.1097/WNO.0000000000001572>
- Arnold, R.W., Donahue, S.P., Silbert, D.I., Longmuir, S.Q., Bradford, G.E., Peterseim, M.M.W., Hutchinson, A.K., O’Neil, J.W., de Alba Campomanes, A.G., Pineles, S.L., 2022. AAPOS uniform guidelines for instrument-based pediatric vision screen validation 2021. *J AAPOS* 26, 1.e1-1.e6. <https://doi.org/10.1016/j.jaapos.2021.09.009>
- Au, A., Jung, J., Johnson, M.W., Baumal, C., Daily, M.J., Gomolin, J.E.S., Gupta, R.R., Rahimy, E., Wu, L., Sadda, S.R., Sarraf, D., 2022. Henle Fiber Layer Hemorrhage in Macular Telangiectasia Type 2: Is Right Eye Dominance Coincidence or Consequence? *Am J Ophthalmol* 241, 80–86. <https://doi.org/10.1016/j.ajo.2022.04.002>
- Bacci, T., Fisher, Y.L., Freund, K.B., Sadda, S.R., 2022. Diagnostic and Therapeutic Challenges. *Retina* 42, 1623–1627. <https://doi.org/10.1097/IAE.0000000000003302>
- Bansal, A., Lee, W.W., Sarraf, D., Sadda, S.R., Berger, A.R., Wong, D.T., Kertes, P.J., Kohly, R.P., Hillier, R.J., Muni, R.H., 2022. Persistent subfoveal fluid in pneumatic retinopexy versus pars plana vitrectomy for rhegmatogenous retinal detachment: posthoc analysis of the PIVOT randomised trial. *Br J Ophthalmol* bjophthalmol-2021-320981. <https://doi.org/10.1136/bjo-2021-320981>
- Barnes, S., 2022. Visual processing: When two synaptic strata are better than one. *Curr Biol* 32, R129–R131. <https://doi.org/10.1016/j.cub.2021.12.044>

- Bharti, K., den Hollander, A.I., Lakkaraju, A., Sinha, D., Williams, D.S., Finnemann, S.C., BowesRickman, C., Malek, G., D'Amore, P.A., 2022. Cell culture models to study retinal pigment epithelium-related pathogenesis in age-related macular degeneration. *Exp Eye Res* 222, 109170. <https://doi.org/10.1016/j.exer.2022.109170>
- Bittner, Ava Katherine, Kaminski, J.E., Ross, N.C., Shepherd, J.D., Thoene, S.J., Bui, S.Z., Yoshinaga, P.D., 2022. Telerehabilitation Training to Facilitate Improved Reading Ability with New Magnification Devices for Low Vision. *Optom Vis Sci* 99, 743–749. <https://doi.org/10.1097/OPX.0000000000001944>
- Bittner, A.K., Yoshinaga, P.D., Rittiphairoj, T., Li, T., 2023. Telerehabilitation for people with low vision. *Cochrane Database Syst Rev* 1, CD011019. <https://doi.org/10.1002/14651858.CD011019.pub4>
- Bittner, Ava K., Yoshinaga, P.D., Shepherd, J.D., Kaminski, J.E., Malkin, A.G., Chun, M.W., Chan, T.L., Deemer, A.D., Ross, N.C., 2022. Acceptability of Telerehabilitation for Magnification Devices for the Visually Impaired Using Various Approaches to Facilitate Accessibility. *Transl Vis Sci Technol* 11, 4. <https://doi.org/10.1167/tvst.11.8.4>
- Bonnet, Clémence, Chauhan, T., Encampira Luna, E., Le, Q., Tseng, C.-H., Deng, S.X., 2022a. Cell Morphology as an In Vivo Parameter for the Diagnosis of Limbal Stem Cell Deficiency. *Cornea* 41, 995–1001. <https://doi.org/10.1097/ICO.0000000000002955>
- Bonnet, Clemence, Chehaibou, I., Ghaffari, R., Jackson, N.J., Bostan, C., Hubschman, J.-P., Harissi-Dagher, M., Aldave, A.J., 2022. Idiopathic Vitritis after Boston Type 1 Keratoprosthesis Implantation: Incidence, Risk Factors and Outcomes in a Multicentric Cohort. *Ocul Immunol Inflamm* 30, 769–775. <https://doi.org/10.1080/09273948.2020.1826541>
- Bonnet, Clémence, Chehaibou, I., McCannel, C.A., McCannel, T.A., Prasad, P.S., Kreiger, A.E., Schwartz, S.D., Aldave, A., Hubschman, J.-P., 2022b. RETINAL DETACHMENT IN EYES WITH BOSTON TYPE 1 KERATOPROSTHESIS: Surgical Techniques and Mid-Term Outcomes. *Retina* 42, 957–966. <https://doi.org/10.1097/IAE.0000000000003389>
- Bonnet, C., Onishi, A.C., Aldave, A.J., 2023. Infectious Crystalline Keratopathy Secondary to *Mycobacterium chelonae*. *Cornea* 42, 116–117. <https://doi.org/10.1097/ICO.0000000000003125>
- Bonnet, Clémence, Tseng, C.-H., Kruse, F., Deng, S.X., 2022c. Comment on: Long-Term Outcome After Superficial Keratectomy of the Abnormal Epithelium for Partial Limbal Stem Cell Deficiency. *Am J Ophthalmol* 238, 202–203. <https://doi.org/10.1016/j.ajo.2022.01.027>
- Budoff, G., Schwartz, S.D., Hubschman, J.-P., 2022. Post-Retinal Detachment Repair Diffuse Tractional Retinoschisis Sparing Region of Internal Limiting Membrane Peel. *Ophthalmol Retina* 6, 785. <https://doi.org/10.1016/j.oret.2022.06.012>

- Cabral, D., Ramtohum, P., Zatreanu, L., Galhoz, D., Leitao, M., Nogueira, V., Sarraf, D., Freund, K.B., 2022. Deep Capillary Plexus Features in Acute Macular Neuroretinopathy: Novel Insights Based on the Anatomy of Henle Fiber Layer. *Invest Ophthalmol Vis Sci* 63, 4. <https://doi.org/10.1167/iovs.63.13.4>
- Cabrera, A.P., Stoddard, J., Santiago Tierno, I., Matisioudis, N., Agarwal, M., Renner, L., Palegar, N., Neuringer, M., McGill, T., Ghosh, K., 2022. Increased cell stiffness contributes to complement-mediated injury of choroidal endothelial cells in a monkey model of early age-related macular degeneration. *J Pathol* 257, 314–326. <https://doi.org/10.1002/path.5892>
- Cale, M., Roelofs, K.A., Goldberg, R.A., Leibowitz, S., Glasgow, B.J., Rootman, D.B., 2022. Hyperostosis associated with orbital vascular malformation. *Orbit* 1–4. <https://doi.org/10.1080/01676830.2022.2101129>
- Cassedy, A., Altaye, M., Andringa, J., Cooper, A.M., Drews-Botsch, C., Engelhard, G.J., Hennard, T., Holland, G.N., Jenkins, K., Lambert, S.R., Lipscomb, J., McCracken, C., McCurdy, D.K., McDonald, J., Mwase, N., Prahalad, S., Stahl, E., Utz, V.M., Walker, A.A., Yeh, S., Angeles-Han, S.T., 2022. Assessing the Validity and Reliability of the Effects of Youngsters' Eyesight on Quality of Life Questionnaire Among Children With Uveitis. *Arthritis Care Res (Hoboken)* 74, 355–363. <https://doi.org/10.1002/acr.24491>
- Cavuoto, K.M., Chang, M.Y., Heidary, G., Morrison, D.G., Trivedi, R.H., Binenbaum, G., Kim, S.J., Pineles, S.L., 2022. Effectiveness of Laser Refractive Surgery to Address Anisometropic Amblyogenic Refractive Error in Children: A Report by the American Academy of Ophthalmology. *Ophthalmology* 129, 1323–1331. <https://doi.org/10.1016/j.ophtha.2022.06.022>
- Chan, J.W., Sultan, W., Karanjia, R., Sadun, A.A., 2022. Altering neuronal circuitry with 4-aminopyridine for visual improvement in Leber's hereditary optic neuropathy (LHON). *Mitochondrion* 62, 181–186. <https://doi.org/10.1016/j.mito.2021.12.003>
- Chang, D.H., Hu, J., Miller, K.M., Vilupuru, S., Zhao, W., 2022. Post-Market Evaluation of Rotational Stability and Visual Performance of a New Toric Intraocular Lens with Frosted Haptics. *Clin Ophthalmol* 16, 4055–4064. <https://doi.org/10.2147/OPHTH.S389304>
- Chang, M.Y., Binenbaum, G., Heidary, G., Cavuoto, K.M., Morrison, D.G., Trivedi, R.H., Kim, S.J., Pineles, S.L., 2023. Surgical Treatments to Improve Visual Acuity in Infantile Nystagmus Syndrome: A Report by the American Academy of Ophthalmology. *Ophthalmology* 130, 331–344. <https://doi.org/10.1016/j.ophtha.2022.10.006>
- Chen, A.C., Pelsor, N.P., Wang, K., Glasgow, B.J., Aldave, A.J., 2022. Late Onset Interface Calcium Deposition After Laser In Situ Keratomileusis. *Cornea* 41, 116–120. <https://doi.org/10.1097/ICO.0000000000002728>

- Chen, J.J., Flanagan, E.P., Bhatti, M.T., Tisavipat, N., Jamali, S., Kunchok, A., Eggenberger, E.R., Nome, M.D., Sotirchos, E.S., Vasileiou, E.S., Henderson, A.D., Arnold, A.C., Bonelli, L., Seleme, N., Mejia-Vergara, A.J., Moss, H.E., Padungkiatsagul, T., Stiebel-Kalish, H., Lotan, I., Wilf-Yarkoni, A., Hellmann, M.A., Vuppala, A., Hodge, D., Pittock, S.J., 2022a. Details and outcomes of a large cohort of MOG-IgG associated optic neuritis. *Mult Scler Relat Disord* 68, 104237. <https://doi.org/10.1016/j.msard.2022.104237>
- Chen, J.J., Sotirchos, E.S., Henderson, A.D., Vasileiou, E.S., Flanagan, E.P., Bhatti, M.T., Jamali, S., Eggenberger, E.R., Dinome, M., Frohman, L.P., Arnold, A.C., Bonelli, L., Seleme, N., MejiaVergara, A.J., Moss, H.E., Padungkiatsagul, T., Stiebel-Kalish, H., Lotan, I., Hellmann, M.A., Hodge, D., Oertel, F.C., Paul, F., Saidha, S., Calabresi, P.A., Pittock, S.J., 2022b. OCT retinal nerve fiber layer thickness differentiates acute optic neuritis from MOG antibody-associated disease and Multiple Sclerosis: RNFL thickening in acute optic neuritis from MOGAD vs MS. *Mult Scler Relat Disord* 58, 103525. <https://doi.org/10.1016/j.msard.2022.103525>
- Chen, J.L., Men, M., Naini, B.V., Tsui, E., 2022. IgG4-related hypertensive granulomatous anterior uveitis. *Am J Ophthalmol Case Rep* 26, 101465. <https://doi.org/10.1016/j.ajoc.2022.101465>
- Chen, T., Roelofs, K.A., Rootman, D.B., 2023. Allergic conjunctivitis and contact dermatitis following silicone tube intubation. *Can J Ophthalmol* 58, e36–e38. <https://doi.org/10.1016/j.cjco.2022.06.017>
- Cheng, B.T., Kim, A.B., Nadimpalli, S., Pineles, S.L., Kurup, S.P., 2022. Association of Pediatric Strabismus and Functional Impairment: A Cross-sectional Nationwide Analysis. *J Pediatr Ophthalmol Strabismus* 1–9. <https://doi.org/10.3928/01913913-20220728-01>
- Chew, L., Mohammadzadeh, V., Mohammadi, M., Toriz, V., Rosa, N., Gorin, M.B., Amini, N., NouriMahdavi, K., 2023. Measurement of the Inner Macular Layers for Monitoring of Glaucoma: Confounding Effects of Age-Related Macular Degeneration. *Ophthalmol Glaucoma* 6, 68–77. <https://doi.org/10.1016/j.ogla.2022.06.006>
- Choo, C.H., Boto de Los Bueis, A., Chung, D.D., Aldave, A.J., 2022a. Confirmation of PRDX3 c.568G>C as the Genetic Basis of Punctiform and Polychromatic Pre-Descemet Corneal Dystrophy. *Cornea* 41, 779–781. <https://doi.org/10.1097/ICO.0000000000002828>
- Choo, C.H., Chung, D.D., Ledwith, K.V., Kassels, A., Meiler, J., Aldave, A.J., 2022b. Confirmation of association of TGFBI p.Ser591Phe mutation with variant lattice corneal dystrophy. *Ophthalmic Genet* 43, 530–533. <https://doi.org/10.1080/13816810.2022.2050766>
- Ciulla, T.A., Kapik, B., Hu, A., Harris, A., Ip, M.S., Blodi, B., 2022. Anatomic Biomarkers of Macular Edema Associated with Retinal Vein Occlusion. *Ophthalmol Retina* 6, 1206–1220. <https://doi.org/10.1016/j.oret.2022.06.016>
- Cohen, L.M., Goldberg, R.A., Rootman, D.B., 2022a. Recurrence of Distensible Orbital Venous-dominant Venolymphatic Malformations After Sclerotherapy Versus Embolization With Excision. *Ophthalmic*

Plast Reconstr Surg 38, 283–288. <https://doi.org/10.1097/IOP.0000000000002085>

- Cohen, L.M., Ponce Mejia, L.L., Duckwiler, G.R., Goldberg, R.A., Rootman, D.B., 2022b. External carotid artery to ophthalmic artery flow associated with internal carotid artery stenosis. *Orbit* 1–7. <https://doi.org/10.1080/01676830.2022.2149818>
- Cohen, L.M., Ponce Mejia, L.L., Duckwiler, G.R., Goldberg, R.A., Rootman, D.B., 2022c. External carotid artery to ophthalmic artery flow associated with internal carotid artery stenosis. *Orbit* 1–7. <https://doi.org/10.1080/01676830.2022.2149818>
- Coleman, A.L., Edmands, S., 2022. Data and Diversity in the Development of Acute Water Quality Criteria in the United States. *Environ Toxicol Chem* 41, 1333–1343. <https://doi.org/10.1002/etc.5302>
- Coleman, A.L., Lum, F., 2022. Zafar et al.: Endophthalmitis rates among Medicare beneficiaries undergoing cataract surgery between 2011 and 2019 (*Ophthalmology*. 2022;129:250-257). *Ophthalmology* 129, e39–e40. <https://doi.org/10.1016/j.ophtha.2021.12.013>
- Core, J.Q., Hua, P., Daniel, E., Grunwald, J.E., Jaffe, G., Maguire, M.G., Ying, G.-S., 2023. Thiazolidinedione use and retinal fluid in the comparison of age-related macular degeneration treatments trials. *Br J Ophthalmol* 107, 1000–1006. <https://doi.org/10.1136/bjophthalmol2021-320665>
- Core, J.Q., Pistilli, M., Hua, P., Daniel, E., Grunwald, J.E., Toth, C.A., Jaffe, G.J., Martin, D.F., Maguire, M.G., Ying, G.-S., 2022. Predominantly Persistent Intraretinal Fluid in the Comparison of Agerelated Macular Degeneration Treatments Trials. *Ophthalmol Retina* 6, 771–785. <https://doi.org/10.1016/j.oret.2022.03.024>
- Corradetti, G., Byon, I., Corvi, F., Cozzi, M., Staurenghi, G., Sadda, S.R., 2022. Retro mode illumination for detecting and quantifying the area of geographic atrophy in non-neovascular age-related macular degeneration. *Eye (Lond)* 36, 1560–1566. <https://doi.org/10.1038/s41433-021-01670-3>
- Corvi, F., Corradetti, G., Wong, A., Pulido, J.S., Shields, C.L., Freund, K.B., Sarraf, D., Sadda, S.R., 2022a. MULTIMODAL IMAGING OF A CHOROIDAL NEVUS WITH CAVERNS IN THE SETTING OF PACHYCHOROID DISEASE. *Retin Cases Brief Rep* 16, 670–673. <https://doi.org/10.1097/ICB.0000000000001138>
- Corvi, F., Juhn, A., Corradetti, G., Nguyen, T.V., Fawzi, A.A., Sarraf, D., Sadda, S.R., 2022b. MULTIMODAL IMAGING OF CRB1 RETINITIS PIGMENTOSA WITH A PERIPHERAL RETINAL TUMOR. *Retin Cases Brief Rep* 16, 407–410. <https://doi.org/10.1097/ICB.0000000000001058>
- Cruz, A.A.V., Equitério, B., Diniz, S.B., Garcia, D.M., Rootman, D.B., Goldberg, R.A., Galindo-Ferreiro, A., Marqués-Fernández, V., Sales-Sanz, M., 2022. Upper Eyelid Contour Changes After Orbital

Decompression in Graves Orbitopathy. *Ophthalmic Plast Reconstr Surg* 38, 289–293. <https://doi.org/10.1097/IOP.0000000000002093>

Danese, A., Patergnani, S., Maresca, A., Peron, C., Raimondi, A., Caporali, L., Marchi, S., La Morgia, C., Del Dotto, V., Zanna, C., Iannielli, A., Segnali, A., Di Meo, I., Cavaliere, A., LebedzinskaArciszewska, M., Wieckowski, M.R., Martinuzzi, A., Moraes-Filho, M.N., Salomao, S.R., Berezovsky, A., Belfort, R.J., Buser, C., Ross-Cisneros, F.N., Sadun, A.A., Tacchetti, C., Broccoli, V., Giorgi, C., Tiranti, V., Carelli, V., Pinton, P., 2022. Pathological mitophagy disrupts mitochondrial homeostasis in Leber’s hereditary optic neuropathy. *Cell Rep* 40, 111124. <https://doi.org/10.1016/j.celrep.2022.111124>

De Arrigunaga, S., Akpek, E.K., Aldave, A.J., Mian, S.I., Zurakowski, D., Ciolino, J.B., 2023. Prospective, Randomized, Multicenter, Double-Masked, Clinical Trial of Corneal Cross-Linking for Boston Keratoprosthesis Carrier Tissue. *Am J Ophthalmol* 249, 39–48. <https://doi.org/10.1016/j.ajo.2022.12.017>

De Gainza, A., Morales, E., Rabiolo, A., Yu, F., Afifi, A.A., Nouri-Mahdavi, K., Caprioli, J., 2022. A Metascore of Multiple Imaging Methods to Measure Long-Term Glaucoma Structural Progression. *Transl Vis Sci Technol* 11, 15. <https://doi.org/10.1167/tvst.11.9.15> de Gainza, A., Morales, E., Salazar, D., Yu, F., Afifi, A., Nouri-Mahdavi, K., Caprioli, J., 2022. StructuralFunctional Glaucoma Progression Trajectory in 2-Dimensional Space. *J Glaucoma* 31, 250–260. <https://doi.org/10.1097/IJG.0000000000001990>

Demer, J.L., 2022. Vertical Comitance of Hypertropia in Congenital and Acquired Superior Oblique Palsy. *J Neuroophthalmol* 42, e240–e247. <https://doi.org/10.1097/WNO.0000000000001301>

Demer, J.L., Clark, R.A., 2022. Masquerading Superior Oblique Palsy. *Am J Ophthalmol* 242, 197–208. <https://doi.org/10.1016/j.ajo.2022.05.017>

den Hollander, A.I., Mullins, R.F., Orozco, L.D., Voigt, A.P., Chen, H.-H., Strunz, T., Grassmann, F., Haines, J.L., Kuiper, J.J.W., Tumminia, S.J., Allikmets, R., Hageman, G.S., Stambolian, D., Klaver, C.C.W., Boeke, J.D., Chen, H., Honigberg, L., Katti, S., Frazer, K.A., Weber, B.H.F., Gorin, M.B., 2022. Systems genomics in age-related macular degeneration. *Exp Eye Res* 225, 109248. <https://doi.org/10.1016/j.exer.2022.109248>

Do Rhee, K., Wang, Y., Ten Hoeve, J., Stiles, L., Nguyen, T.T.T., Zhang, X., Vergnes, L., Reue, K., Shirihai, O., Bok, D., Yang, X.-J., 2022. Ciliary neurotrophic factor-mediated neuroprotection involves enhanced glycolysis and anabolism in degenerating mouse retinas. *Nat Commun* 13, 7037. <https://doi.org/10.1038/s41467-022-34443-x>

Dong, P.N., Hang, D.T.T., Duong, N.T.N., Lien, M.T., Chen, A.C., Aldave, A.J., 2022. Infectious keratitis in Vietnam: etiology, organisms, and management at Vietnam National Eye Hospital. *Int J Ophthalmol* 15, 128–134. <https://doi.org/10.18240/ijo.2022.01.19>

- Dos Santos, A., Lyu, N., Balayan, A., Knight, R., Zhuo, K.S., Sun, Y., Xu, J., Funderburgh, M.L., Funderburgh, J.L., Deng, S.X., 2022. Generation of Functional Immortalized Human Corneal Stromal Stem Cells. *Int J Mol Sci* 23. <https://doi.org/10.3390/ijms232113399>
- Dow, E.R., Hou, K., Ransome, S., Abbassi, S., Tsui, E., 2022. Posterior Uveitis Associated with Cemiplimab. *Ocul Immunol Inflamm* 30, 1211–1213. <https://doi.org/10.1080/09273948.2021.1872649>
- Ebeling, M.C., Fisher, C.R., Kapphahn, R.J., Stahl, M.R., Shen, S., Qu, J., Montezuma, S.R., Ferrington, D.A., 2022a. Inflammasome Activation in Retinal Pigment Epithelium from Human Donors with Age-Related Macular Degeneration. *Cells* 11. <https://doi.org/10.3390/cells11132075>
- Ebeling, M.C., Geng, Z., Stahl, M.R., Kapphahn, R.J., Roehrich, H., Montezuma, S.R., Ferrington, D.A., Dutton, J.R., 2022b. Testing Mitochondrial-Targeted Drugs in iPSC-RPE from Patients with Age-Related Macular Degeneration. *Pharmaceuticals (Basel)* 15. <https://doi.org/10.3390/ph15010062>
- Falavarjani, K.G., Anvari, P., Sacconi, R., Querques, G., Sarraf, D., 2022. Retinal pigment epithelium apertures associated with subretinal fluid and acquired vitelliform lesions in non-neovascular age-related macular degeneration. *Can J Ophthalmol* 57, e91–e94. <https://doi.org/10.1016/j.cjco.2021.09.013>
- Fan, W., Fleming, A., Hemert, J.V., Wykoff, C.C., Brown, D.M., Robertson, G., Wang, K., Falavarjani, K.G., Sadda, S.R., Ip, M., 2022a. RETINAL VASCULAR BED AREA IN EYES WITH RETINAL VEIN OCCLUSION ON ULTRA-WIDEFIELD FLUORESCEIN ANGIOGRAPHY: WAVE Study. *Retina* 42, 1883–1888. <https://doi.org/10.1097/IAE.0000000000003549>
- Fan, W., Nittala, M.G., Wykoff, C.C., Brown, D.M., Uji, A., Hemert, J.V., Fleming, A., Robertson, G., Sadda, S.R., Ip, M., 2022b. NEW BIOMARKER QUANTIFYING THE EFFECT OF ANTI-VEGF THERAPY IN EYES WITH PROLIFERATIVE DIABETIC RETINOPATHY ON ULTRAWIDE FIELD FLUORESCEIN ANGIOGRAPHY: RECOVERY Study. *Retina* 42, 426–433. <https://doi.org/10.1097/IAE.0000000000003358>
- Fan, W., Uji, A., Nittala, M., Wykoff, C.C., Brown, D., Fleming, A., Robertson, G., van Hemert, J., Sadda, S., Ip, M.S., 2022c. Retinal vascular bed area on ultra-wide field fluorescein angiography indicates the severity of diabetic retinopathy. *Br J Ophthalmol* 106, 1126–1131. <https://doi.org/10.1136/bjophthalmol-2020-317488>
- Fan, W., Uji, A., Wykoff, C.C., Brown, D.M., van Hemert, J., Falavarjani, K.G., Wang, K., Sadda, S.R., Ip, M., 2023. Baseline retinal vascular bed area on ultra-wide field fluorescein angiography correlates with the anatomical outcome of diabetic macular oedema to ranibizumab therapy: two-year analysis of the DAVE Study. *Eye (Lond)* 37, 678–683. <https://doi.org/10.1038/s41433-021-01777-7>
- Figueiredo, N., Sarraf, D., Gunnemann, F., Sadda, S.R., Bansal, A., Berger, A.R., Wong, D.T., Kohly,

R.P., Kertes, P.J., Hillier, R.J., Muni, R.H., 2022. Longitudinal Assessment of Ellipsoid Zone Recovery Using En Face Optical Coherence Tomography After Retinal Detachment Repair. *Am J Ophthalmol* 236, 212–220. <https://doi.org/10.1016/j.ajo.2021.10.012>

Fisher, C.R., Ebeling, M.C., Ferrington, D.A., 2022a. Quantification of mitophagy using mKeima-mito in cultured human primary retinal pigment epithelial cells. *Exp Eye Res* 217, 108981. <https://doi.org/10.1016/j.exer.2022.108981>

Fisher, C.R., Ebeling, M.C., Geng, Z., Kapphahn, R.J., Roehrich, H., Montezuma, S.R., Dutton, J.R., Ferrington, D.A., 2022b. Human iPSC- and Primary-Retinal Pigment Epithelial Cells for Modeling Age-Related Macular Degeneration. *Antioxidants (Basel)* 11. <https://doi.org/10.3390/antiox11040605>

Fisher, C.R., Shaaeli, A.A., Ebeling, M.C., Montezuma, S.R., Ferrington, D.A., 2022c. Investigating mitochondrial fission, fusion, and autophagy in retinal pigment epithelium from donors with age-related macular degeneration. *Sci Rep* 12, 21725. <https://doi.org/10.1038/s41598-022-26012-5>

Fogel-Levin, M., Sadda, S.R., Rosenfeld, P.J., Waheed, N., Querques, G., Freund, B.K., Sarraf, D., 2022a. Advanced retinal imaging and applications for clinical practice: A consensus review. *Surv Ophthalmol* 67, 1373–1390. <https://doi.org/10.1016/j.survophthal.2022.02.004>

Fogel-Levin, M., Wong, A., Sadda, S.R., Freund, K.B., Sarraf, D., 2022b. Rare case of extramacular choroidal macrovessel. *Can J Ophthalmol* 57, e89–e91. <https://doi.org/10.1016/j.cjco.2021.09.011>
Fram, N.R., Snyder, M., Pineda, R. 2nd, Miller, K.M., Landreneau, J., van den Berg, A., Rocha, K.M., 2022. Anterior segment reconstruction due to cosmetic iris implants placed in the anterior chamber. *J Cataract Refract Surg* 48, 974. <https://doi.org/10.1097/j.jcrs.0000000000001001>

Frederiksen, R., Fain, G.L., Sampath, A.P., 2022. A hyperpolarizing rod bipolar cell in the sea lamprey, *Petromyzon marinus*. *J Exp Biol* 225, jeb243949. <https://doi.org/10.1242/jeb.243949>

Gaffney, K.A., Guo, R., Bridges, M.D., Muhammednazaar, S., Chen, D., Kim, M., Yang, Z., Schillmiller, A.L., Faruk, N.F., Peng, X., Jones, A.D., Kim, K.H., Sun, L., Hubbell, W.L., Sosnick, T.R., Hong, H., 2022. Lipid bilayer induces contraction of the denatured state ensemble of a helical-bundle membrane protein. *Proc Natl Acad Sci U S A* 119. <https://doi.org/10.1073/pnas.2109169119>

Gardiner, S.K., Kinast, R.M., De Moraes, C.G., Budenz, D.L., Jeoung, J.W., Lind, J.T., Myers, J.S., Nouri-Mahdavi, K., Rhodes, L.A., Strouthidis, N.G., Chen, T.C., Mansberger, S.L., 2022. Clinicians' Use of Quantitative Information while Assessing the Rate of Functional Progression in Glaucoma. *Ophthalmol Glaucoma* 5, 498–506. <https://doi.org/10.1016/j.ogla.2022.03.002>

Ghasemi Falavarjani, K., Anvari, P., Dehghan Niri, M., Molaei, S., Abdi, F., Shad, E., Kazemi, P., Sadda, S.R., 2022. The effect of intravitreal recombinant tissue plasminogen activator injection on diabetic tractional fibrovascular membranes: Proposed criteria using optical coherence tomography. *Eur J Ophthalmol* 32, 424–428. <https://doi.org/10.1177/1120672121998224>

- Gill, H.K., Niederer, R.L., Shriver, E.M., Gordon, L.K., Coleman, A.L., Danesh-Meyer, H.V., 2022. An Eye on Gender Equality: A Review of the Evolving Role and Representation of Women in Ophthalmology. *Am J Ophthalmol* 236, 232–240. <https://doi.org/10.1016/j.ajo.2021.07.006>
- Gillespie, T.C., Kim, E.S., Grogan, T., Tsui, I., Chu, A., Calkins, K.L., 2022. Decreased Levels of Erythrocyte Membrane Arachidonic and Docosahexaenoic Acids Are Associated With Retinopathy of Prematurity. *Invest Ophthalmol Vis Sci* 63, 23. <https://doi.org/10.1167/iovs.63.12.23>
- Golla, A., Chen, A., Tseng, V.L., Lee, S.Y., Pan, D., Yu, F., Coleman, A.L., 2022. Association Between E-Cigarette Use and Visual Impairment in the United States. *Am J Ophthalmol* 235, 229–240. <https://doi.org/10.1016/j.ajo.2021.09.014>
- Goodyear, K., Roelofs, K.A., Rootman, D.B., 2022. Smart MALT: lymphoma with a superior predilection. *Orbit* 41, 272. <https://doi.org/10.1080/01676830.2021.1888304>
- Graybeal, K., Sanchez, L., Zhang, C., Stiles, L., Zheng, J.J., 2022. Characterizing the metabolic profile of dexamethasone treated human trabecular meshwork cells. *Exp Eye Res* 214, 108888. <https://doi.org/10.1016/j.exer.2021.108888>
- Grippio, T.M., de Crom, R.M.P.C., Giovingo, M., Töteberg-Harms, M., Francis, B.A., Jerkins, B., Brubaker, J.W., Radcliffe, N., An, J., Noecker, R., 2022. Evidence-Based Consensus Guidelines Series for MicroPulse Transscleral Laser Therapy: Dosimetry and Patient Selection. *Clin Ophthalmol* 16, 1837–1846. <https://doi.org/10.2147/OPTH.S365647>
- Grosso, A., Yannuzzi, L.A., Tsang, S.H., Ceruti, P., Sarraf, D., Zamir, E., Kaminska, K., Quinodoz, M., Amoroso, A., Deaglio, S., Francis, J.H., Fioretto, M., Rivolta, C., Calzetti, G., 2022. A Unique Presentation of Bilateral Chorioretinal Atrophy. *Asia Pac J Ophthalmol (Phila)*. <https://doi.org/10.1097/APO.0000000000000563>
- Gu, L., Caprioli, J., Piri, N., 2022a. Rbfox1 expression in amacrine cells is restricted to GABAergic and VGlut3 glycinergic cells. *Biosci Rep* 42. <https://doi.org/10.1042/BSR20220497>
- Gu, L., Kwong, J.M., Caprioli, J., Piri, N., 2022b. DNA and RNA oxidative damage in the retina is associated with ganglion cell mitochondria. *Sci Rep* 12, 8705. <https://doi.org/10.1038/s41598-022-12770-9>
- Gu, L., Kwong, J.M.K., Caprioli, J., Piri, N., 2022c. Visual Function and Survival of Injured Retinal Ganglion Cells in Aged Rbfox1 Knockout Animals. *Cells* 11. <https://doi.org/10.3390/cells11213401>
- Gunasekeran, D.V., Zheng, F., Lim, G.Y.S., Chong, C.C.Y., Zhang, S., Ng, W.Y., Keel, S., Xiang, Y., Park, K.H., Park, S.J., Chandra, A., Wu, L., Campbell, J.P., Lee, A.Y., Keane, P.A., Denniston, A., Lam, D.S.C., Fung, A.T., Chan, P.R.V., Sadda, S.R., Loewenstein, A., Grzybowski, A., Fong, K.C.S., Wu,

W.-C., Bachmann, L.M., Zhang, X., Yam, J.C., Cheung, C.Y., Pongsachareonnont, P., Ruamviboonsuk, P., Raman, R., Sakamoto, T., Habash, R., Girard, M., Milea, D., Ang, M., Tan, G.S.W., Schmetterer, L., Cheng, C.-Y., Lamoureux, E., Lin, H., van Wijngaarden, P., Wong, T.Y., Ting, D.S.W., 2022. Acceptance and Perception of Artificial Intelligence Usability in Eye Care (APPRAISE) for Ophthalmologists: A Multinational Perspective. *Front Med (Lausanne)* 9, 875242. <https://doi.org/10.3389/fmed.2022.875242>

Guo, X., Dang, W., Li, N., Wang, Y., Sun, D., Nian, H., Wei, R., 2022. PPAR- α Agonist Fenofibrate Ameliorates Sjögren Syndrome-Like Dacryoadenitis by Modulating Th1/Th17 and Treg Cell Responses in NOD Mice. *Invest Ophthalmol Vis Sci* 63, 12. <https://doi.org/10.1167/iovs.63.6.12>

Gupta, K., Unhale, R., Garner, O.B., Deng, S.X., M Fung, S.S., 2022. Infectious Keratitis Isolates and Susceptibility in Southern California. *Cornea* 41, 1094–1102. <https://doi.org/10.1097/ICO.0000000000002884>

Hatamizadeh, A., Hosseini, H., Patel, N., Choi, J., Pole, C.C., Hoeflerlin, C.M., Schwartz, S.D., Terzopoulos, D., 2022. RAVIR: A Dataset and Methodology for the Semantic Segmentation and Quantitative Analysis of Retinal Arteries and Veins in Infrared Reflectance Imaging. *IEEE J Biomed Health Inform* 26, 3272–3283. <https://doi.org/10.1109/JBHI.2022.3163352>

Hazim, R.A., Paniagua, A.E., Tang, L., Yang, K., Kim, K.K.O., Stiles, L., Divakaruni, A.S., Williams, D.S., 2022. Vitamin B3, nicotinamide, enhances mitochondrial metabolism to promote differentiation of the retinal pigment epithelium. *J Biol Chem* 298, 102286. <https://doi.org/10.1016/j.jbc.2022.102286>

Hazim, R.A., Williams, D.S., 2022. Microtubule Motor Transport of Organelles in a Specialized Epithelium: The RPE. *Front Cell Dev Biol* 10, 852468. <https://doi.org/10.3389/fcell.2022.852468>

He, Y., Chen, X., Tsui, I., Vajzovic, L., Sadda, S.R., 2022a. Insights into the developing fovea revealed by imaging. *Prog Retin Eye Res* 90, 101067. <https://doi.org/10.1016/j.preteyeres.2022.101067>

He, Y., Pettenkofer, M., Chu, A., Sadda, S.R., Corradetti, G., Tsui, I., 2022b. Characterization of Foveal Development in Treatment-Naïve Extremely Preterm Infants. *Transl Vis Sci Technol* 11, 11. <https://doi.org/10.1167/tvst.11.6.11>

He, Y., Verma, A., Nittala, M.G., Velaga, S.B., Esmailkhanian, H., Li, Xiaorong, Su, L., Li, Xiao, Jayadev, C., Tsui, I., Prasad, P., Sadda, S.R., 2023. Ethnic Variation in Diabetic Retinopathy Lesion Distribution on Ultra-widefield Imaging. *Am J Ophthalmol* 247, 61–69. <https://doi.org/10.1016/j.ajo.2022.10.023>

Heidary, G., Aakalu, V.K., Binenbaum, G., Chang, M.Y., Morrison, D.G., VanderVeen, D.K., Lambert,

S.R., Trivedi, R.H., Galvin, J.A., Pineles, S.L., 2022. Adjustable Sutures in the Treatment of Strabismus: A Report by the American Academy of Ophthalmology. *Ophthalmology* 129, 100–109. <https://doi.org/10.1016/j.ophtha.2021.07.026>

Ho, T.C., Maamari, R.N., Kossler, A.L., Sears, C.M., Freitag, S.K., Reshef, E.R., Shinder, R., Rootman, D.B., Diniz, S.B., Kahana, A., Schlachter, D., Do, T.H., Kally, P., Turner, S., Mokhtarzadeh, A., Harrison, A.R., Hwang, C.J., Kim, H.J., Avila, S.A., Thomas, D.A., Magazin, M., Wester, S.T., Lee, W.W., Clauss, K.D., Holds, J.B., Sniegowski, M., Compton, C.J., Briggs, C., Malik, A.I., Lucarelli, M.J., Burkat, C.N., Patel, L.G., Couch, S.M., 2023. Outcomes of Patients With Thyroid Eye Disease Partially Treated With Teprotumumab. *Ophthalmic Plast Reconstr Surg* 39, 150–155. <https://doi.org/10.1097/IOP.0000000000002267>

Holz, F.G., Iida, T., Maruko, I., Sadda, S.R., 2022. A CONSENSUS ON RISK MITIGATION FOR BROLUZUMAB IN NEOVASCULAR AGE-RELATED MACULAR DEGENERATION: Patient Selection, Evaluation, and Treatment. *Retina* 42, 1629–1637. <https://doi.org/10.1097/IAE.0000000000003556>

Howell, G.L., Chávez, G., McCannel, C.A., Quiros, P.A., Al-Hashimi, S., Yu, F., Fung, S., DeGiorgio, C.M., Huang, Y.M., Straatsma, B.R., Braddock, C.H., Holland, G.N., 2022. Prospective, Randomized Trial Comparing Simulator-based versus Traditional Teaching of Direct Ophthalmoscopy for Medical Students. *Am J Ophthalmol* 238, 187–196. <https://doi.org/10.1016/j.ajo.2021.11.016>

Hu, Y., Baggio, M., Dabironezare, S., Tamminen, A., Toy, B., Ala-Laurinaho, J., Brown, E., Llombart, N., Deng, S.X., Wallace, V., Taylor, Z.D., 2022. 650 GHz imaging as alignment verification for millimeter wave corneal reflectometry. *IEEE Trans Terahertz Sci Technol* 12, 151–164. <https://doi.org/10.1109/tthz.2021.3140199>

Huang, J.M., Khurana, R.N., Ghanekar, A., Wang, P.-W., Day, B.-M., Blodi, B.A., Domalpally, A., Quezada-Ruiz, C., Ip, M.S., 2022. Disease-modifying effects of ranibizumab for central retinal vein occlusion. *Graefes Arch Clin Exp Ophthalmol* 260, 799–805. <https://doi.org/10.1007/s00417-021-05224-x>

Huang, P., Narendran, S., Pereira, F., Fukuda, S., Nagasaka, Y., Apicella, I., Yerramothu, P., Marion, K.M., Cai, X., Sadda, S.R., Gelfand, B.D., Ambati, J., 2022. Subretinal injection in mice to study retinal physiology and disease. *Nat Protoc* 17, 1468–1485. <https://doi.org/10.1038/s41596-022-00689-4>

Huang, S., Juniati, V., Satchi, K., Cohen, L.M., Davis, G., Rootman, D.B., McNab, A., Selva, D., 2022. Bilateral lacrimal gland disease: clinical features and outcomes. *Eye (Lond)* 36, 2163–2171. <https://doi.org/10.1038/s41433-021-01819-0>

Hubschman, S., Hou, K., Sarraf, D., Tsui, I., 2022. An unusual presentation of peripapillary pachychoroid syndrome. *Am J Ophthalmol Case Rep* 25, 101338. <https://doi.org/10.1016/j.ajoc.2022.101338>

- Jabs, D.A., McCluskey, P., Palestine, A.G., Thorne, J.E., 2022. The standardisation of uveitis nomenclature (SUN) project. *Clin Exp Ophthalmol*. <https://doi.org/10.1111/ceo.14175>
- Ji, X., Zhao, L., Umapathy, A., Fitzmaurice, B., Wang, J., Williams, D.S., Chang, B., Naggert, J.K., Nishina, P.M., 2022. Deficiency in Lyst function leads to accumulation of secreted proteases and reduced retinal adhesion. *PLoS One* 17, e0254469. <https://doi.org/10.1371/journal.pone.0254469>
- Jun, N.Y., Field, G.D., Pearson, J.M., 2022. Efficient coding, channel capacity, and the emergence of retinal mosaics. *Adv Neural Inf Process Syst* 35, 32311–32324.
- Jung, J.J., Lim, S.Y., Chan, X., Sadda, S.R., Hoang, Q.V., 2022. Correlation of Diabetic Disease Severity to Degree of Quadrant Asymmetry in En Face OCTA Metrics. *Invest Ophthalmol Vis Sci* 63, 12. <https://doi.org/10.1167/iovs.63.9.12>
- Kadomoto, S., Nanegrungsunk, O., Nittala, M.G., Karamat, A., Sadda, S.R., 2022. Enhanced Detection of Reticular Pseudodrusen on Color Fundus Photos by Image Embossing. *Curr Eye Res* 47, 1547–1552. <https://doi.org/10.1080/02713683.2022.2126860>
- Kaplan, H.J., Sun, D., Shao, H., 2022. Damage-associated Molecular Patterns in Clinical and Animal Models of Uveitis. *Ocul Immunol Inflamm* 30, 734–740. <https://doi.org/10.1080/09273948.2021.1954203>
- Karlin, J.N., Katsev, B., Kapelushnik, N., Simon, G.B., Rootman, D.B., 2022a. Revision ptosis surgery for under-correction after Müller muscle conjunctival resection. *J Plast Reconstr Aesthet Surg* 75, 3485–3490. <https://doi.org/10.1016/j.bjps.2022.04.104>
- Karlin, J.N., Le, C., Rootman, D.B., 2022b. Upper eyelid weighting for lagophthalmos results in contralateral upper eyelid elevation. *Orbit* 41, 464–468. <https://doi.org/10.1080/01676830.2021.1949725>
- Karlin, J.N., Lin, J., Meer, E., Rootman, D.B., 2022c. Tissue Inflammatory Responses to Hyaluronic Acid Gel Filler. *Dermatol Surg* 48, 885–887. <https://doi.org/10.1097/DSS.0000000000003505>
- Karmouta, R., Altendahl, M., Romero, T., Piersante, T., Langston, S., Khitri, M., Kading, J., Tsui, I., Chu, A., 2022. Association Between Social Determinants of Health and Retinopathy of Prematurity Outcomes. *JAMA Ophthalmol* 140, 496–502. <https://doi.org/10.1001/jamaophthalmol.2022.0667>
- Karunadharma, P.P., Kapphahn, R.J., Stahl, M.R., Olsen, T.W., Ferrington, D.A., 2022. Dissecting Regulators of Aging and Age-Related Macular Degeneration in the Retinal Pigment Epithelium. *Oxid Med Cell Longev* 2022, 6009787. <https://doi.org/10.1155/2022/6009787>
- Kianian, R., Hulbert, S.W., Law, S.K., Giaconi, J., 2022. Effectiveness of Topical p-Kinase Inhibitors in Veterans with Severe Glaucoma on Maximally Tolerated Medical Therapy. *Optom Vis Sci* 99,

626–631. <https://doi.org/10.1097/OPX.0000000000001925>

- Kim, W., Ghodrati, F., Mozaffari, K., Samarage, H.M., Zhang, A.B., Pradhan, A., Lee, J.T., Goldberg, R.A., Yang, I., 2022. Endoscopic endonasal approach for resection of a recurrent sphenoidal meningioma resulting in complete resolution of visual symptoms: A case report and review of literature. *J Neurooncol* 160, 545–553. <https://doi.org/10.1007/s11060-022-04141-1>
- Kong, X., Ibrahim-Ahmed, M., Bittencourt, M.G., Strauss, R.W., Birch, D.G., Cideciyan, A.V., Ervin, A.-M., Ho, A., Sunness, J.S., Audo, I.S., Michaelides, M., Zrenner, E., Sadda, S., Ip, M.S., West, S., Scholl, H.P.N., 2022. Longitudinal Changes in Scotopic and Mesopic Macular Function as Assessed with Microperimetry in Patients With Stargardt Disease: SMART Study Report No. 2. *Am J Ophthalmol* 236, 32–44. <https://doi.org/10.1016/j.ajo.2021.10.014>
- Law, S.M., Zheng, J.J., 2022. Premise and peril of Wnt signaling activation through GSK-3 β inhibition. *iScience* 25, 104159. <https://doi.org/10.1016/j.isci.2022.104159>
- Le, B., Bonnet, C., Yung, M., Deng, S.X., 2023. Descemet membrane endothelial keratoplasty in eyes with glaucoma. *Taiwan J Ophthalmol* 13, 13–20. <https://doi.org/10.4103/2211-5056.361277>
- Le, Q., Chauhan, T., Cordova, D., Tseng, C.-H., Deng, S.X., 2022. Biomarkers of in vivo limbal stem cell function. *Ocul Surf* 23, 123–130. <https://doi.org/10.1016/j.jtos.2021.12.005>
- Lee, C.M., Asilnejad, B., Cohen, L.M., Roelofs, K.A., Rootman, D.B., Khanlou, N., Pullarkat, S.T., 2022. Solitary Extramedullary Plasmacytoma of the Lacrimal Sac With Associated Crystal-Storing Histiocytosis. *Ophthalmic Plast Reconstr Surg* 38, 102–107. <https://doi.org/10.1097/IOP.0000000000002028>
- Lee, J.J., Lee, J.E., Sadda, S.R., Park, S.W., Byon, I., 2022. Impact of signal strength on quantitative retinal and choriocapillaris flow measurement from optical coherence tomography angiography. *Sci Rep* 12, 4692. <https://doi.org/10.1038/s41598-022-08781-1>
- Lee, W.W., Bansal, A., Sadda, S.R., Sarraf, D., Berger, A.R., Wong, D.T., Kertes, P.J., Kohly, R.P., Hillier, R.J., Muni, R.H., 2022. Outer Retinal Folds after Pars Plana Vitrectomy vs. Pneumatic Retinopexy for Retinal Detachment Repair: Post hoc analysis from PIVOT. *Ophthalmol Retina* 6, 234–242. <https://doi.org/10.1016/j.oret.2021.09.001>
- Lee, Y.H., Repka, M.X., Borlik, M.F., Velez, F.G., Perez, C., Yu, F., Coleman, A.L., Pineles, S.L., 2022. Association of Strabismus With Mood Disorders, Schizophrenia, and Anxiety Disorders Among Children. *JAMA Ophthalmol* 140, 373–381. <https://doi.org/10.1001/jamaophthalmol.2022.0137>
- Lejoyeux, R., Benillouche, J., Ong, J., Errera, M.-H., Rossi, E.A., Singh, S.R., Dansingani, K.K., da Silva, S., Sinha, D., Sahel, J.-A., Freund, K.B., Sadda, S.R., Lutty, G.A., Chhablani, J., 2022. Choriocapillaris: Fundamentals and advancements. *Prog Retin Eye Res* 87, 100997. <https://doi.org/10.1016/j.preteyeres.2021.100997>

- Lenis, T.L., Botsford, B.W., Sarraf, D., Papakostas, T.D., 2022. Didanosine-Associated Retinal Toxicity in a Patient With a Mutation in the CRB1 Gene. *J Vitreoretin Dis* 6, 329–331. <https://doi.org/10.1177/24741264211044599>
- Lentzsch, A.M., Dooling, V., Wegner, I., Di Cristanziano, V., Sadda, S.R., Freund, K.B., Liakopoulos, S., 2022. ACUTE EXUDATIVE POLYMORPHOUS VITELLIFORM MACULOPATHY ASSOCIATED WITH PRIMARY EPSTEIN-BARR VIRUS INFECTION. *Retin Cases Brief Rep* 16, 740–746. <https://doi.org/10.1097/ICB.0000000000001066>
- Liang, Q., Le, Q., Wang, L., Cordova, D., Baclagon, E., Garrido, S.G., Levin, M., Jin, Y., Tseng, C.-H., Rao, J., Deng, S.X., 2022. Cytokeratin 13 Is a New Biomarker for the Diagnosis of Limbal Stem Cell Deficiency. *Cornea* 41, 867–873. <https://doi.org/10.1097/ICO.0000000000002903>
- Liao, D.S., Grossi, F.V., Wykoff, C.C., Ribeiro, R.M., Rosenfeld, P.J., Sadda, S.R., 2022. Re: Minimizing risks to patients by improving presentation of clinical trial results in geographic atrophy trials (*Ophthalmol Retina*. 2022;6:337-338). *Ophthalmol Retina* 6, 1109. <https://doi.org/10.1016/j.oret.2022.08.010>
- Lim, J.I., Regillo, C.D., Sadda, S.R., Ipp, E., Bhaskaranand, M., Ramachandra, C., Solanki, K., 2023. Artificial Intelligence Detection of Diabetic Retinopathy: Subgroup Comparison of the EyeArt System with Ophthalmologists' Dilated Examinations. *Ophthalmol Sci* 3, 100228. <https://doi.org/10.1016/j.xops.2022.100228>
- Liu, J., Laiginhas, R., Corvi, F., Ferris, F.L. 3rd, Lim, T.H., Sadda, S.R., Waheed, N.K., Iyer, P.G., Shen, M., Shi, Y., Trivizki, O., Wang, L., Vanner, E.A., Feuer, W.J., Gregori, G., Rosenfeld, P.J., 2022. Diagnosing Persistent Hypertransmission Defects on En Face OCT Imaging of Age-Related Macular Degeneration. *Ophthalmol Retina* 6, 387–397. <https://doi.org/10.1016/j.oret.2022.01.011>
- Lyu, N., Knight, R., Robertson, S.Y.T., Dos Santos, A., Zhang, C., Ma, C., Xu, J., Zheng, J., Deng, S.X., 2022. Stability and Function of Extracellular Vesicles Derived from Immortalized Human Corneal Stromal Stem Cells: A Proof of Concept Study. *AAPS J* 25, 8. <https://doi.org/10.1208/s12248-022-00767-1>
- Madala, S., Adabifirouzjaei, F., Lando, L., Yarmohammadi, A., Long, C.P., Bakhoun, C.Y., Goldbaum, M.H., Sarraf, D., DeMaria, A.N., Bakhoun, M.F., 2022. Retinal Ischemic Perivascular Lesions, a Biomarker of Cardiovascular Disease. *Ophthalmol Retina* 6, 865–867. <https://doi.org/10.1016/j.oret.2022.05.005>
- Mahmoudinezhad, G., Mohammadzadeh, V., Martinyan, J., Edalati, K., Zhou, B., Yalzadeh, D., Amini, N., Caprioli, J., Nouri-Mahdavi, K., 2023. Comparison of Ganglion Cell Layer and Ganglion Cell/Inner Plexiform Layer Measures for Detection of Early Glaucoma. *Ophthalmol Glaucoma* 6, 58–67. <https://doi.org/10.1016/j.ogla.2022.06.008>

- Malkin, A.G., Ross, N.C., Chun, M.W., Bittner, A.K., 2022. Why Are Visual Assistive Mobile Applications Underused by Low Vision Patients? *Optom Vis Sci* 99, 333–334. <https://doi.org/10.1097/OPX.0000000000001893>
- Manta, A.I., Jackson, N.J., Dan, J., Tran, A., Rootman, D.B., 2023. Effect of external eyelid weighting on eyelid and eyebrow position in normal and ptosis patients. *Graefes Arch Clin Exp Ophthalmol* 261, 849–855. <https://doi.org/10.1007/s00417-022-05825-0>
- Margeta, M.A., Ratanawongphaibul, K., Tsikata, E., Zemplyeni, M., Ondeck, C.L., Kim, J., Coleman, A.L., Yu, F., de Boer, J.F., Chen, T.C., 2022. Disc Hemorrhages Are Associated With Localized Three-Dimensional Neuroretinal Rim Thickness Progression in Open-Angle Glaucoma. *Am J Ophthalmol* 234, 188–198. <https://doi.org/10.1016/j.ajo.2021.06.021>
- Matynia, A., Wang, J., Kim, S., Li, Y., Dimashkie, A., Jiang, Z., Hu, J., Strom, S.P., Radu, R.A., Chen, R., Gorin, M.B., 2022. Assessing Variant Causality and Severity Using Retinal Pigment Epithelial Cells Derived from Stargardt Disease Patients. *Transl Vis Sci Technol* 11, 33. <https://doi.org/10.1167/tvst.11.3.33>
- McCannel, C.A., Bhatti, M.T., 2022. The Basic and Clinical Science Course of the American Academy of Ophthalmology: The 50th Anniversary of a Unicorn Among Medical Textbooks. *JAMA Ophthalmol* 140, 225–226. <https://doi.org/10.1001/jamaophthalmol.2021.6173>
- McDonald, J., Cassedy, A., Altaye, M., Andringa, J., Cooper, A.M., Drews-Botsch, C., Engelhard, G.J., Hennard, T., Holland, G.N., Jenkins, K., Lambert, S.R., Lipscomb, J., McCracken, C., McCurdy, D.K., Mwase, N., Prahalad, S., Shantha, J., Stahl, E., Utz, V.M., Walker, A.A., Yeh, S., Angeles-Han, S.T., 2022. Comprehensive Assessment of Quality of Life, Functioning, and Mental Health in Children With Juvenile Idiopathic Arthritis and Noninfectious Uveitis. *Arthritis Care Res (Hoboken)* 74, 1311–1320. <https://doi.org/10.1002/acr.24551>
- Meer, E., Solanes, F., Kohn, L., Kuo, C.Y., Wong, D.A., Pineles, S., Tsui, I., 2022. Ocular findings associated with FADD deficiency resemble familial exudative vitreoretinopathy. *Am J Ophthalmol Case Rep* 25, 101305. <https://doi.org/10.1016/j.ajoc.2022.101305>
- Meer, E.A., Lee, Y.H., Repka, M.X., Borlik, M.F., Velez, F.G., Perez, C., Yu, F., Coleman, A.L., Pineles, S.L., 2022. Association of Mood Disorders, Substance Abuse, and Anxiety Disorders in Children and Teens With Serious Structural Eye Diseases. *Am J Ophthalmol* 240, 135–142. <https://doi.org/10.1016/j.ajo.2022.03.016>
- Mejia-Vergara, Alvaro J., Arnold, A.C., Bonelli, L., Raviskanthan, S., Lee, A.G., 2022. Papilledema and intracranial hypertension in leukemia: case series and review. *Can J Ophthalmol* 57, e54–e56. <https://doi.org/10.1016/j.jcjo.2021.06.022>

- Mejia-Vergara, Alvaro Jose, Sultan, W., Kostas, A., Mulholland, C.B., Sadun, A., 2022. Styloidogenic Jugular Venous Compression Syndrome with Papilloedema: Case Report and Review of the Literature. *Neuroophthalmology* 46, 54–58. <https://doi.org/10.1080/01658107.2021.1887288>
- Men, M., Tsui, E., 2022. Delayed onset anterior uveitis and macular edema after cessation of pembrolizumab. *Am J Ophthalmol Case Rep* 27, 101631. <https://doi.org/10.1016/j.ajoc.2022.101631>
- Merani, R., Johnson, M.W., McCannel, C.A., Flynn, H.W.J., Scott, I.U., Hunyor, A.P., 2022. Clinical Practice Update: Management of Infectious Endophthalmitis After Intravitreal Anti-VEGF Injection. *J Vitreoretin Dis* 6, 443–451. <https://doi.org/10.1177/24741264221116487>
- Miller, K.M., Oetting, T.A., Tweeten, J.P., Carter, K., Lee, B.S., Lin, S., Nanji, A.A., Shorstein, N.H., Musch, D.C., 2022. Cataract in the Adult Eye Preferred Practice Pattern. *Ophthalmology* 129, P1–P126. <https://doi.org/10.1016/j.opthta.2021.10.006>
- Mohammadi, M., Su, E., Chew, L., Mohammadzadeh, V., Caprioli, J., Weiss, R.E., Nouri-Mahdavi, K., 2023. Comparison of Ganglion Cell Layer and Inner Plexiform Layer Rates of Change in Suspected and Established Glaucoma. *Am J Ophthalmol* 249, 12–20. <https://doi.org/10.1016/j.ajo.2022.12.008>
- Mohammadzadeh, V., Cheng, M., Zadeh, S.H., Edalati, K., Yalzadeh, D., Caprioli, J., Yadav, S., Kadas, E.M., Brandt, A.U., Nouri-Mahdavi, K., 2022a. Central Macular Topographic and Volumetric Measures: New Biomarkers for Detection of Glaucoma. *Transl Vis Sci Technol* 11, 25. <https://doi.org/10.1167/tvst.11.7.25>
- Mohammadzadeh, V., Su, E., Mohammadi, M., Law, S.K., Coleman, A.L., Caprioli, J., Weiss, R.E., Nouri-Mahdavi, K., 2023. Association of Blood Pressure With Rates of Macular Ganglion Cell Complex Thinning in Patients With Glaucoma. *JAMA Ophthalmol* 141, 251–257. <https://doi.org/10.1001/jamaophthalmol.2022.6092>
- Mohammadzadeh, V., Su, E., Rabiolo, A., Shi, L., Zadeh, S.H., Law, S.K., Coleman, A.L., Caprioli, J., Weiss, R.E., Nouri-Mahdavi, K., 2022b. Ganglion Cell Complex: The Optimal Measure for Detection of Structural Progression in the Macula. *Am J Ophthalmol* 237, 71–82. <https://doi.org/10.1016/j.ajo.2021.12.009>
- Mohammadzadeh, V., Su, E., Shi, L., Coleman, A.L., Law, S.K., Caprioli, J., Weiss, R.E., Nouri-Mahdavi, K., 2022c. Multivariate Longitudinal Modeling of Macular Ganglion Cell Complex: Spatiotemporal Correlations and Patterns of Longitudinal Change. *Ophthalmol Sci* 2, 100187. <https://doi.org/10.1016/j.xops.2022.100187>
- Moran, A.L., Carter, S.P., Kaylor, J.J., Jiang, Z., Broekman, S., Dillon, E.T., Gómez Sánchez, A., Minhas, S.K., van Wijk, E., Radu, R.A., Travis, G.H., Carey, M., Blacque, O.E., Kennedy, B.N., 2022. Dawn and dusk peaks of outer segment phagocytosis, and visual cycle function require Rab28. *FASEB J* 36, e22309. <https://doi.org/10.1096/fj.202101897R>

- Morshedian, A., Sendek, G., Ng, S.Y., Boyd, K., Radu, R.A., Liu, M., Artemyev, N.O., Sampath, A.P., Fain, G.L., 2022. Reproducibility of the Rod Photoreceptor Response Depends Critically on the Concentration of the Phosphodiesterase Effector Enzyme. *J Neurosci* 42, 2180–2189. <https://doi.org/10.1523/JNEUROSCI.2119-21.2021>
- Mustak, H., Lo, C., Cohen, L.M., Tran, A., Almanzor, R., McCannel, T.A., Goldberg, R.A., Rootman, D.B., 2023. Extrascleral extension of choroidal melanoma after iodine-125 brachytherapy treatment: a case series. *Eye (Lond)* 37, 249–255. <https://doi.org/10.1038/s41433-021-01861-y>
- Nanegrungsunk, O., Au, A., Sarraf, D., Sadda, S.R., 2022a. New frontiers of retinal therapeutic intervention: a critical analysis of novel approaches. *Ann Med* 54, 1067–1080. <https://doi.org/10.1080/07853890.2022.2066169>
- Nanegrungsunk, O., Patikulsila, D., Sadda, S.R., 2022b. Ophthalmic imaging in diabetic retinopathy: A review. *Clin Exp Ophthalmol* 50, 1082–1096. <https://doi.org/10.1111/ceo.14170>
- Nanji, K., Sarohia, G.S., Kennedy, K., Ceyhan, T., McKechnie, T., Phillips, M., Devji, T., Thabane, L., Kaiser, P., Sarraf, D., Garg, S.J., Sivaprasad, S., Wykoff, C.C., Bakri, S.J., Sheidow, T., Bhandari, M., Chaudhary, V., 2022. The 12- and 24-Month Effects of Intravitreal Ranibizumab, Aflibercept, and Bevacizumab on Intraocular Pressure: A Network Meta-Analysis. *Ophthalmology* 129, 498–508. <https://doi.org/10.1016/j.ophtha.2021.11.024>
- Ng, E.S.Y., Kady, N., Hu, J., Dave, A., Jiang, Z., Pei, J., Gorin, M.B., Matynia, A., Radu, R.A., 2022. Membrane Attack Complex Mediates Retinal Pigment Epithelium Cell Death in Stargardt Macular Degeneration. *Cells* 11. <https://doi.org/10.3390/cells11213462>
- Niruthisard, D., Bonnet, C., Tanasugarn, L., Le, B., Deng, S.X., 2023. Autologous Serum Eye Drops in the Management of Limbal Stem Cell Deficiency Associated With Glaucoma Surgery. *Eye Contact Lens* 49, 19–24. <https://doi.org/10.1097/ICL.0000000000000951>
- Nittala, M.G., Corvi, F., Maram, J., Velaga, S.B., Haines, J., Pericak-Vance, M.A., Stambolian, D., Sadda, S.R., 2022. Risk Factors for Progression of Age-Related Macular Degeneration: Population-Based Amish Eye Study. *J Clin Med* 11. <https://doi.org/10.3390/jcm11175110>
- Nouri-Mahdavi, K., 2022. An Alternate Technique for Goniotomy. *J Ophthalmic Vis Res* 17, 158–159. <https://doi.org/10.18502/jovr.v17i2.10785>
- Oh, A.J., Singh, P., Pirakitikulr, N., Roelofs, K., Glasgow, B.J., Rootman, D.B., 2022. Low-grade fibromyxoid sarcoma of the orbit. *Orbit* 1–5. <https://doi.org/10.1080/01676830.2022.2149820>
- Osterman, M.D., Song, Y.E., Nittala, M., Sadda, S.R., Scott, W.K., Stambolian, D., Pericak-Vance, M.A., Haines, J.L., 2022. Genomewide Association Study of Retinal Traits in the Amish Reveals Loci Influencing Drusen Development and Link to Age-Related Macular Degeneration. *Invest Ophthalmol Vis Sci* 63, 17. <https://doi.org/10.1167/iovs.63.8.17>

- Park, J., Shin, A., Demer, J.L., 2022. Finite element modeling of effects of tissue property variation on human optic nerve tethering during adduction. *Sci Rep* 12, 18985. <https://doi.org/10.1038/s41598-022-22899-2>
- Pettenkofer, M., Chehaibou, I., Pole, C., Rodriguez, M., Rabina, G., Kreiger, A.E., Schwartz, S.D., Hubschman, J.-P., 2022a. Correction to: Epiretinal proliferation after rhegmatogenous retinal detachment. *Graefes Arch Clin Exp Ophthalmol* 260, 1429. <https://doi.org/10.1007/s00417-021-05516-2>
- Pettenkofer, M., Chehaibou, I., Pole, C., Rodriguez, M., Rabina, G., Kreiger, A.E., Schwartz, S.D., Hubschman, J.-P., 2022b. Epiretinal proliferation after rhegmatogenous retinal detachment. *Graefes Arch Clin Exp Ophthalmol* 260, 1509–1516. <https://doi.org/10.1007/s00417-021-05502-8>
- Pichi, F., Dolz-Marco, R., Francis, J.H., Au, A., Davis, J.L., Fawzi, A., Gattousi, S., Goldstein, D.A., Keane, P.A., Miserocchi, E., Marchese, A., Ohno-Matsui, K., Sagoo, M.S., Smith, S.D., Sobol, E.K., Tasiopoulou, A., Yang, X., Shields, C.L., Freund, K.B., Sarraf, D., 2022. Advanced OCT Analysis of Biopsy-proven Vitreoretinal Lymphoma. *Am J Ophthalmol* 238, 16–26. <https://doi.org/10.1016/j.ajo.2021.11.023>
- Pineles, S.L., 2022. Acquired Diplopia in Adults: Heavy Eye Syndrome. *J Binocul Vis Ocul Motil* 72, 223–225.
- Pineles, S.L., Davila-Gonzalez, J.P., Gorin, M., Lee, H., Sarraf, D., Velez, F.G., 2022a. OPTICAL COHERENCE TOMOGRAPHY AND OPTICAL COHERENCE TOMOGRAPHY ANGIOGRAPHY FINDINGS AND VISUAL PROGNOSIS IN TWO PATIENTS WITH POSTERIOR MICROPHTHALMOS. *Retin Cases Brief Rep* 16, 253–257. <https://doi.org/10.1097/ICB.0000000000000955>
- Pineles, S.L., Henderson, R.J., Repka, M.X., Heidary, G., Liu, G.T., Waldman, A.T., Borchert, M.S., Khanna, S., Graves, J.S., Collinge, J.E., Conley, J.A., Davis, P.L., Kraker, R.T., Cotter, S.A., Holmes, J.M., 2022b. The Pediatric Optic Neuritis Prospective Outcomes Study: Two-Year Results. *Ophthalmology* 129, 856–864. <https://doi.org/10.1016/j.ophtha.2022.03.021>
- Pineles, S.L., Repka, M.X., Velez, F.G., Yu, F., Perez, C., Sim, D., Coleman, A.L., 2022c. Prevalence of pediatric eye disease in the optumlabs data warehouse. *Ophthalmic Epidemiol* 29, 537–544. <https://doi.org/10.1080/09286586.2021.1971261>
- Pineles, S.L., Repka, M.X., Yu, F., Velez, F.G., Perez, C., Sim, D., Coleman, A.L., 2022d. Strabismus Surgery Decreases the Risk of Injuries in Pediatric Patients in the OptumLabs Data Warehouse. *Am J Ophthalmol* 236, 147–153. <https://doi.org/10.1016/j.ajo.2021.07.005>
- Pole, C., Hosseini, H., Prasad, P., 2022. MULTIMODAL IMAGING OF RECURRENT CYSTOID

MACULAR EDEMA ASSOCIATED WITH POEMS SYNDROME RESPONSIVE TO INTRAVITREAL DEXAMETHASONE IMPLANT. Retin Cases Brief Rep 16, 565–568.

<https://doi.org/10.1097/ICB.0000000000001056>

Pradas, M., Rodriguez-Merchante, M.P., Estébanez, N., Sarraf, D., Freund, K.B., Fawzi, A., Pichi, F., Carreño, E., 2022. Navigating the White Dot Syndromes with Optical Coherence Tomography (OCT) and OCT Angiography (OCT-A). Ocul Immunol Inflamm 30, 664–674. <https://doi.org/10.1080/09273948.2022.2046798>

Ramtohul, P., Freund, K.B., Sarraf, D., 2022. BRANCH RETINAL ARTERY OCCLUSION WITH PARACENTRAL ACUTE MIDDLE MACULOPATHY PRESUMABLY RELATED TO HEAVY CANNABIS USE. Retin Cases Brief Rep 16, 403–406. <https://doi.org/10.1097/ICB.0000000000001051>

Rasheed, H.A., Davis, T., Morales, E., Fei, Z., Grassi, L., De Gainza, A., Nouri-Mahdavi, K., Caprioli, J., 2023a. RimNet: A Deep Neural Network Pipeline for Automated Identification of the Optic Disc Rim. Ophthalmol Sci 3, 100244. <https://doi.org/10.1016/j.xops.2022.100244>

Rasheed, H.A., Davis, T., Morales, E., Fei, Z., Grassi, L., De Gainza, A., Nouri-Mahdavi, K., Caprioli, J., 2023b. DDLSNet: A Novel Deep Learning-Based System for Grading Funduscopy Images for Glaucomatous Damage. Ophthalmol Sci 3, 100255. <https://doi.org/10.1016/j.xops.2022.100255>

Roberts, J.S., Ma, C., Robertson, S.Y.T., Kang, S., Han, C.S., Deng, S.X., Zheng, J.J., 2022. R-etodolac is a more potent Wnt signaling inhibitor than enantiomer, S-etodolac. Biochem Biophys Rep 30, 101231. <https://doi.org/10.1016/j.bbrep.2022.101231>

Roelofs, K.A., Duckwiler, G., Gundlach, B., Yoo, B., Diniz, S.B., Cohen, L.M., Goldberg, R.A., Rootman, D.B., 2022a. Orbital Vascular Malformations: Determining Outflow with Valsalva Maneuver-Augmented Computed Tomography Angiography. Ophthalmology 129, 590–592. <https://doi.org/10.1016/j.ophtha.2022.01.003>

Roelofs, K.A., Esfandiari, M., Diniz, S.B., Cohen, L.M., Baugh, S., Karlin, J.N., Goldberg, R.A., Rootman, A.D.B., 2022b. The Effect of Lighting and Photograph Exposure on Perceived Attractiveness. Ophthalmic Plast Reconstr Surg 38, 359–363. <https://doi.org/10.1097/IOP.0000000000002110>

Romero-Morales, V.A., Peiris, T.J., Somisetty, S., Santana, A., Lu, A., Sarraf, D., 2022. A MIDDLEAGED PATIENT WITH BILATERAL VISION LOSS AND NYCTALOPIA. Retin Cases Brief Rep. <https://doi.org/10.1097/ICB.0000000000001315>

Roy, S., Field, G.D., 2022. An optical approach for mapping functional connectivity at single-cell resolution in brain circuits. Cell Rep Methods 2, 100272. <https://doi.org/10.1016/j.crmeth.2022.100272>

- Ruiz, M., González, S., Bonnet, C., Deng, S.X., 2022. Extracellular miR-6723-5p could serve as a biomarker of limbal epithelial stem/progenitor cell population. *Biomark Res* 10, 36. <https://doi.org/10.1186/s40364-022-00384-2>
- Sacconi, R., Fragiotta, S., Sarraf, D., Sadda, S.R., Freund, K.B., Parravano, M., Corradetti, G., Cabral, D., Capuano, V., Miere, A., Costanzo, E., Bandello, F., Souied, E., Querques, G., 2023. Towards a better understanding of non-exudative choroidal and macular neovascularization. *Prog Retin Eye Res* 92, 101113. <https://doi.org/10.1016/j.preteyeres.2022.101113>
- Saffari, P.S., Rootman, D.B., Karlin, J.N., 2022. Glue Embolization Without Surgical Resection for Orbital Venolymphatic Malformation. *J Craniofac Surg* 33, e538–e541. <https://doi.org/10.1097/SCS.00000000000008650>
- Scala, M., Nishikawa, M., Ito, H., Tabata, H., Khan, T., Accogli, A., Davids, L., Ruiz, A., Chiurazzi, P., Cericola, G., Schulte, B., Monaghan, K.G., Begtrup, A., Torella, A., Pinelli, M., Denommé-Pichon, A.S., Vitobello, A., Racine, C., Mancardi, M.M., Kiss, C., Guerin, A., Wu, W., Gabau Vila, E., Mak, B.C., Martinez-Agosto, J.A., Gorin, M.B., Duz, B., Bayram, Y., Carvalho, C.M.B., Vengoechea, J.E., Chitayat, D., Tan, T.Y., Callewaert, B., Kruse, B., Bird, L.M., Faivre, L., Zollino, M., Biskup, S., Striano, P., Nigro, V., Severino, M., Capra, V., Costain, G., Nagata, K.I., 2022. Variant-specific changes in RAC3 function disrupt corticogenesis in neurodevelopmental phenotypes. *Brain* 145, 3308–3327. <https://doi.org/10.1093/brain/awac106>
- Scalabrino, M.L., Thapa, M., Chew, L.A., Zhang, E., Xu, J., Sampath, A.P., Chen, J., Field, G.D., 2022. Robust cone-mediated signaling persists late into rod photoreceptor degeneration. *Elife* 11. <https://doi.org/10.7554/eLife.80271>
- Scharf, J.M., Hilely, A., Freund, K.B., Sarraf, D., 2022. AUTOFLUORESCENT TIMELINE OF SPOTS AND DOTS IN MULTIPLE EVANESCENT WHITE DOT SYNDROME. *Retin Cases Brief Rep* 16, 280–284. <https://doi.org/10.1097/ICB.0000000000000974>
- Schmidt-Erfurth, U., Reiter, G.S., Riedl, S., Seeböck, P., Vogl, W.-D., Blodi, B.A., Domalpally, A., Fawzi, A., Jia, Y., Sarraf, D., Bogunović, H., 2022. AI-based monitoring of retinal fluid in disease activity and under therapy. *Prog Retin Eye Res* 86, 100972. <https://doi.org/10.1016/j.preteyeres.2021.100972>
- Schönbach, E.M., Strauss, R.W., Cattaneo, M.E.G.V., Fujinami, K., Birch, D.G., Cideciyan, A.V., Sunness, J.S., Zrenner, E., Sadda, S.R., Scholl, H.P.N., 2022. Longitudinal Changes of Fixation Stability and Location Within 24 Months in Stargardt Disease: ProgStar Report No. 16. *Am J Ophthalmol* 233, 78–89. <https://doi.org/10.1016/j.ajo.2021.07.013>
- Shao, H., Kaplan, H.J., Sun, D., 2022. Bidirectional Effect of IFN- γ on Th17 Responses in Experimental Autoimmune Uveitis. *Front Ophthalmol (Lausanne)* 2, 831084. <https://doi.org/10.3389/fopht.2022.831084>
- Sharma, A., Stan, M.N., Rootman, D.B., 2022. Measuring Health-Related Quality of Life in Thyroid Eye

Disease. *J Clin Endocrinol Metab* 107, S27–S35. <https://doi.org/10.1210/clinem/dgac230>

Shekhar, K., Whitney, I.E., Butrus, S., Peng, Y.-R., Sanes, J.R., 2022. Diversification of multipotential postmitotic mouse retinal ganglion cell precursors into discrete types. *Elife* 11, e73809.

<https://doi.org/10.7554/eLife.73809>

Smith, C.S., Karlin, J.N., Cohen, L.M., Rootman, D.B., 2022. Transorbital Debulking of Sphenoid Wing Meningioma. *J Craniofac Surg* 33, 859–862. <https://doi.org/10.1097/SCS.00000000000008148>

Spiegel, S.J., Sadun, A.A., 2022. Solutions to a Radical Problem: Overview of Current and Future Treatment Strategies in Leber’s Hereditary Optic Neuropathy. *Int J Mol Sci* 23. <https://doi.org/10.3390/ijms232113205>

Sterling, J.K., Baumann, B., Foshe, S., Voigt, A., Guttha, S., Alnemri, A., McCright, S.J., Li, M., Zauhar, R.J., Montezuma, S.R., Kapphahn, R.J., Chavali, V.R.M., Hill, D.A., Ferrington, D.A., Stambolian, D., Mullins, R.F., Merrick, D., Dunaief, J.L., 2022. Inflammatory adipose activates a nutritional immunity pathway leading to retinal dysfunction. *Cell Rep* 39, 110942. <https://doi.org/10.1016/j.celrep.2022.110942>

Stoddard-Bennett, T., Jackson, N.J., Robbins, L., Villanueva, P., Suh, S.Y., Demer, J.L., Pineles, S.L., Fung, S.S.M., 2022. Agreement of iCare IC200 tonometry with Perkins applanation tonometry in healthy children. *J AAPOS* 26, 235.e1-235.e5. <https://doi.org/10.1016/j.jaapos.2022.07.007>

Strawbridge, J.C., Meer, E.A., Singh, P., Rootman, D.B., 2022a. Google Searches for Thyroid Eye Disease After Regulatory Approval of Teprotumumab. *JAMA Ophthalmol* 140, 639–642. <https://doi.org/10.1001/jamaophthalmol.2022.1000>

Strawbridge, J.C., Roelofs, K.A., Naderi, J., Goh, T.Y., Rootman, D.B., 2022b. Orbital manifestations of B-cell acute lymphoblastic leukemia/lymphoma. *Orbit* 1–5. <https://doi.org/10.1080/01676830.2022.2072901>

Strenk, L.M., Guo, S., Lu, K., Werner, L., Strenk, S.A., 2022. Force of lifelong crystalline lens growth: chronic traumatic mechanical insult to the choroid. *J Cataract Refract Surg* 48, 342–348. <https://doi.org/10.1097/j.jcrs.0000000000000744>

Sun, D., Chan, N., Shao, H., Born, W.K., Kaplan, H.J., 2022. $\gamma\delta$ T Cells Activated in Different Inflammatory Environments Are Functionally Distinct. *J Immunol* 208, 1224–1231. <https://doi.org/10.4049/jimmunol.2100967>

Sun, M., Cherian, N., Liu, L., Chan, A.M., Aguirre, B., Chu, A., Strawbridge, J., Kim, E.S., Lin, M.-C., Tsui, I., Gordon, L.K., Wadehra, M., 2022. Epithelial membrane protein 2 (EMP2) regulates hypoxia-induced angiogenesis in the adult retinal pigment epithelial cell lines. *Sci Rep* 12, 19432. <https://doi.org/10.1038/s41598-022-22696-x>

- Tan, C.S., Ngo, W.K., Chay, I.W., Ting, D.S., Sadda, S.R., 2022. Neovascular Age-Related Macular Degeneration (nAMD): A Review of Emerging Treatment Options. *Clin Ophthalmol* 16, 917–933. <https://doi.org/10.2147/OPHTH.S231913>
- Teo, K.Y.C., Fujimoto, S., Sadda, S.R., Kokame, G., Gomi, F., Kim, J.E., Cheng, M.F.S., Corradetti, G., Amornpetchsathaporn, A., Chainakul, M., Lee, W.K., Lai, T.Y.Y., Ruamviboonsuk, P., Cheung, C.M.G., 2022. Geographic Atrophy Phenotypes in Subjects of Different Ethnicity: Asia-Pacific Ocular Imaging Society Work Group Report 3. *Ophthalmol Retina* S2468-6530(22)00639-X. <https://doi.org/10.1016/j.oret.2022.12.013>
- Tsui, E., Chen, J.L., Jackson, N.J., Leyva, O., Rasheed, H., Baghdasaryan, E., Fung, S.S.M., McCurdy, D.K., Sadda, S.R., Holland, G.N., 2022. Quantification of Anterior Chamber Cells in Children With Uveitis Using Anterior Segment Optical Coherence Tomography. *Am J Ophthalmol* 241, 254–261. <https://doi.org/10.1016/j.ajo.2022.05.012>
- Ugradar, S., Goldberg, R.A., Douglas, R.S., 2023. Changing the face of thyroid eye disease. *Eye (Lond)* 37, 197–199. <https://doi.org/10.1038/s41433-022-02186-0>
- Ugradar, S., Manoukian, N., Azhdam, A., Le, A., Chen, J., Rootman, D., Goldberg, R.A., Lambros, V., 2022. Orbital Aging: A Computed Tomography-Based Study of 240 Orbits. *Plast Reconstr Surg* 150, 536e–545e. <https://doi.org/10.1097/PRS.00000000000009457>
- Velaga, S.B., Nittala, M.G., Hariri, A., Sadda, S.R., 2022. Correlation between Fundus Autofluorescence and En Face OCT Measurements of Geographic Atrophy. *Ophthalmol Retina* 6, 676–683. <https://doi.org/10.1016/j.oret.2022.03.017>
- Verma, A., Magesan, K., Amose, T., Alagorie, A.R., Gnanaraj, R., Sadda, S.R., Sen, P., 2022. Age-related assessment of foveal avascular zone and surrounding capillary networks with swept source optical coherence tomography angiography in healthy eyes. *Eye (Lond)* 36, 1857–1864. <https://doi.org/10.1038/s41433-022-02146-8>
- Wang, S., Wang, Z., Vejalla, S., Ganegoda, A., Nittala, M.G., Sadda, S.R., Hu, Z.J., 2022. Reverse engineering for reconstructing baseline features of dry age-related macular degeneration in optical coherence tomography. *Sci Rep* 12, 22620. <https://doi.org/10.1038/s41598-022-27140-8>
- Wang, X., Sadda, S.R., Ip, M.S., Sarraf, D., Zhang, Y., 2023. In Vivo Longitudinal Measurement of Cone Photoreceptor Density in Intermediate Age-Related Macular Degeneration. *Am J Ophthalmol* 248, 60–75. <https://doi.org/10.1016/j.ajo.2022.11.020>
- Wei, Q., Clark, R.A., Demer, J.L., 2022a. Can Binocular Alignment Distinguish Hypertropia in Sagging Eye Syndrome From Superior Oblique Palsy? *Invest Ophthalmol Vis Sci* 63, 13. <https://doi.org/10.1167/iovs.63.10.13>

- Wei, Q., Mutawak, B., Demer, J.L., 2022b. Biomechanical modeling of actively controlled rectus extraocular muscle pulleys. *Sci Rep* 12, 5806. <https://doi.org/10.1038/s41598-022-09220-x>
- Williams, D., Chung, D.D., Hovakimyan, A., Davtyan, A., Glasgow, B.J., Aldave, A.J., 2023. Novel DCN Mutation in Armenian Family With Congenital Stromal Corneal Dystrophy. *Cornea* 42, 464–469. <https://doi.org/10.1097/ICO.0000000000003167>
- Wong, B.M., Bonnet, C., Ghaffari, R., Houser, K., DeMatteo, J., Lau, N., Aldave, A.J., 2023. Fungal Infection After Descemet Membrane Endothelial Keratoplasty: Incidence and Outcomes. *Cornea* 42, 687–698. <https://doi.org/10.1097/ICO.0000000000003102>
- Wong, B.M., Matsumoto, J.H., Pineles, S.L., 2022. Eyelid nystagmus in a child with cardiofaciocutaneous syndrome associated with BRAF mutation. *J AAPOS* 26, 95–97. <https://doi.org/10.1016/j.jaapos.2021.12.004>
- Wu, Z., Pfau, M., Blodi, B.A., Holz, F.G., Jaffe, G.J., Liakopoulos, S., Sadda, S.R., Staurenghi, G., Bjelopera, E., Brown, T., Chang, P., Choong, J., Corradetti, G., Corvi, F., Domalpally, A., Hurtenbach, C., Nittala, M.G., Olson, A., Pak, J.W., Pappe, J., Saßmannshausen, M., Skalak, C., Thiele, S., Guymer, R.H., Schmitz-Valckenberg, S., 2022. OCT Signs of Early Atrophy in AgeRelated Macular Degeneration: Interreader Agreement: Classification of Atrophy Meetings Report 6. *Ophthalmol Retina* 6, 4–14. <https://doi.org/10.1016/j.oret.2021.03.008>
- Wykoff, C.C., Nittala, M.G., Villanueva Boone, C., Yu, H.J., Fan, W., Velaga, S.B., Ehlers, J.P., Ip, M.S., Sadda, S.R., 2022a. Final Outcomes from the Randomized RECOVERY Trial of Aflibercept for Retinal Nonperfusion in Proliferative Diabetic Retinopathy. *Ophthalmol Retina* 6, 557–566. <https://doi.org/10.1016/j.oret.2022.02.013>
- Wykoff, C.C., Yu, H.J., Avery, R.L., Ehlers, J.P., Tadayoni, R., Sadda, S.R., 2022b. Retinal non-perfusion in diabetic retinopathy. *Eye (Lond)* 36, 249–256. <https://doi.org/10.1038/s41433-021-01649-0>
- Xu, D., Garg, E., Lee, K., Sakurada, Y., Amphornphruet, A., Phasukkijwatana, N., Liakopoulos, S., Pautler, S.E., Kreiger, A.E., Yzer, S., Lee, W.K., Sadda, S., Freund, K.B., Sarraf, D., 2022. Longterm visual and anatomic outcomes of patients with peripapillary pachychoroid syndrome. *Br J Ophthalmol* 106, 576–581. <https://doi.org/10.1136/bjophthalmol-2019-315550>
- Yadav, S.K., Kafieh, R., Zimmermann, H.G., Kauer-Bonin, J., Nouri-Mahdavi, K., Mohammadzadeh, V., Shi, L., Kadas, E.M., Paul, F., Motamedi, S., Brandt, A.U., 2022. Intraretinal Layer Segmentation Using Cascaded Compressed U-Nets. *J Imaging* 8. <https://doi.org/10.3390/jimaging8050139>
- Yaghy, A., Lee, A.Y., Keane, P.A., Keenan, T.D.L., Mendonca, L.S.M., Lee, C.S., Cairns, A.M., Carroll, J., Chen, H., Clark, J., Cukras, C.A., de Sisternes, L., Domalpally, A., Durbin, M.K., Goetz, K.E., Grassmann, F., Haines, J.L., Honda, N., Hu, Z.J., Mody, C., Orozco, L.D., Owsley, C., Poor, S., Reisman, C., Ribeiro, R., Sadda, S.R., Sivaprasad, S., Staurenghi, G., Ting, D.S., Tumminia, S.J., Zalunardo, L., Waheed, N.K., 2022. Artificial intelligence-based strategies to identify patient

populations and advance analysis in age-related macular degeneration clinical trials. *Exp Eye Res* 220, 109092. <https://doi.org/10.1016/j.exer.2022.109092>

Yang, Z., Dam, K.-M.A., Bridges, M.D., Hoffmann, M.A.G., DeLaitch, A.T., Gristick, H.B., Escolano, A., Gautam, R., Martin, M.A., Nussenzweig, M.C., Hubbell, W.L., Bjorkman, P.J., 2022.

Neutralizing antibodies induced in immunized macaques recognize the CD4-binding site on an occluded-open HIV-1 envelope trimer. *Nat Commun* 13, 732. <https://doi.org/10.1038/s41467-022-28424-3>

Yu-Wai-Man, P., Newman, N.J., Carelli, V., La Morgia, C., Biousse, V., Bandello, F.M., Clermont, C.V., Campillo, L.C., Leruez, S., Moster, M.L., Cestari, D.M., Foroozan, R., Sadun, A., Karanjia, R., Jurkute, N., Blouin, L., Taiel, M., Sahel, J.-A., 2022. Natural history of patients with Leber hereditary optic neuropathy-results from the REALITY study. *Eye (Lond)* 36, 818–826.

<https://doi.org/10.1038/s41433-021-01535-9>

Zarei, R., Azimi, A., Fakhraei, G., Eslami, Y., Naderan, M., Nouri-Mahdavi, K., Caprioli, J., 2023.

Combined phacoviscocanalostomy versus phacoemulsification alone in patients with coexisting cataract and mild-to-moderate open-angle glaucoma; a randomized-controlled trial. *Eye (Lond)* 37, 1390–1396. <https://doi.org/10.1038/s41433-022-02152-w>

Zhang, Z., Ng Ming Sheng, S., Kempen, J.H., Fabiani, C., Arora, A., Gupta, V., Tsui, E., Cimino, L., Symes, R.J., Dell, J., Finger, R.P., Heinz, C., Agrawal, R., 2022. Uveitis Registries - A Digital Tool for Patient Care, Education, Research, and Collaboration. *Ocul Immunol Inflamm* 1–11.

<https://doi.org/10.1080/09273948.2022.2140062>

Zhong, Z., Wang, J., Tian, J., Deng, X., Balayan, A., Sun, Y., Xiang, Y., Guan, J., Schimelman, J., Hwang, H., You, S., Wu, X., Ma, C., Shi, X., Yao, E., Deng, S.X., Chen, S., 2022. Rapid 3D bioprinting of a multicellular model recapitulating pterygium microenvironment. *Biomaterials* 282, 121391.

<https://doi.org/10.1016/j.biomaterials.2022.121391>

Zloto, O., Aharon, L., Ben-Bassat Mizrachi, I., Kesler, A., Quiros, P.A., Huna-Baron, R., 2022.

Papilledema and Cerebral Venous Sinus Thrombosis Due to JAK2 Mutation. *J Neuroophthalmol* 42, e452. <https://doi.org/10.1097/WNO.0000000000001193>