



Euna Koo, MD

- Clinical Associate Professor, Ophthalmology
- Clinical Assistant Professor (By courtesy), Pediatrics

CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**

2452 Watson Ct

Palo Alto, CA 94303

Tel (650) 723-6995 Fax (650) 725-6619

Bio

BIO

Dr. Koo is an ophthalmologist specializing in pediatric ophthalmology and adult strabismus. She received her ophthalmology training at UC San Francisco and then her fellowship training in pediatric ophthalmology and adult strabismus at Boston Children's Hospital affiliated with Harvard Medical School. She has been board certified by the American Board of Ophthalmology since 2016. Her practice reflects her clinical interests in pediatric ophthalmology and in adult strabismus.

She utilizes Botox in management of adult and pediatric strabismus. She also uses hidden adjustable sutures in children and adults to optimize alignment of eyes with surgery. Muscles can be adjusted up to 7-10 days after surgery.

She is active in training both residents and fellows in ophthalmology.

CLINICAL FOCUS

- Pediatric Ophthalmology
- Adult Strabismus
- Pediatric Ophthalmology and Strabismus Specialist

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Ophthalmology
- Clinical Assistant Professor (By courtesy), Pediatrics

ADMINISTRATIVE APPOINTMENTS

- Fellowship director for pediatric ophthalmology and adult strabismus, Division of pediatric ophthalmology at Stanford, (2023- present)
- Associate Program Director for Ophthalmology Residency, Stanford Department of Ophthalmology, (2024- present)

HONORS AND AWARDS

- Farley Award, Boston Children's Hospital (2016)
- House Officer Award for Clinical Research, Boston Children's Hospital (2016)

- Heed Fellowship Award, Heed Ophthalmic Foundation (2015)
- Vice President of Cordes Society, UC San Francisco Ophthalmology Alumni Society (2014)
- Member of Board of Trustees, California Academy of Eye Physicians and Surgeons (CAEPS) (2013)
- Emergency Medicine Intern of the Year Award, Scripps Mercy Hospital, San Diego (2012)
- Mercy Style of Care Award, Scripps Mercy Hospital (2012)
- Alpha Omega Alpha Honor Medical Society, Alpha Omega Alpha Honor Medical Society (2011)
- Association of Pathology Chairs Award, University of Florida College of Medicine (2009)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Association for Pediatric Ophthalmology and Strabismus (2015 - present)
- Member, American Academy of Ophthalmology (2012 - present)

PROFESSIONAL EDUCATION

- Internship: Scripps Mercy Hospital San Diego (2012) CA
- Fellowship: Boston Children's Hospital (2016) MA
- Board Certification: Ophthalmology, American Board of Ophthalmology (2016)
- Residency: University of California at San Francisco School of Medicine (2015) CA
- Fellowship, Boston Children's Hospital, Harvard Medical school , Pediatric Ophthalmology (2016)
- Residency, UC San Francisco , Ophthalmology residency (2015)
- Internship, Scripps Mercy Hospital , Transitional Intern year (2012)
- Medical Education: University of Florida, College of Medicine (2011) FL
- MD, University of Florida College of Medicine (2011)
- BS, University of Florida (2007)

Teaching

COURSES

2023-24

- Clinical Topics in Ophthalmology: OPHT 201 (Aut)

2022-23

- Clinical Topics in Ophthalmology: OPHT 201 (Aut)

STANFORD ADVISEES

Med Scholar Project Advisor

Youngyoon Seo

Publications

PUBLICATIONS

- **Ocular and Orbital Trauma Correlated with an Increased Risk of Mortality in Female Patients with a History of Intimate Partner Violence.** *American journal of ophthalmology*
Amarikwa, L., Renner, L. M., Homer, N. A., Wai, K. M., Ludwig, C. A., Koo, E., Rahimy, E., Mruthyunjaya, P., Shriver, E. M., Kossler, A. L.
2025

- **Time to incident ocular and extraintestinal manifestation in HLA-B27-Associated diseases: a comparative study of immunotherapies.** *Clinical rheumatology*
Yavari, N., Wai, K. M., Alsoudi, A. F., Koo, E., Ludwig, C. A., Kossler, A. L., Nguyen, Q. D., Mruthyunjaya, P., Rahimy, E.
2025
- **Reply to Comment on Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Mammalian Target Rapamycin Inhibition as a Therapeutic Target for Prevention of Proliferative Vitreoretinopathy.** *JAMA ophthalmology*
Alsoudi, A. F., Loya, A., Wai, K., Koo, E., Weng, C. Y., Mruthyunjaya, P., Rahimy, E.
2025
- **Long-Term Retinopathy of Prematurity Outcomes with Mandated Screening Interval and Grader Continuity at a High-Volume Quaternary Center.** *American journal of ophthalmology*
Zhao, C. S., Brant, A. R., Shah, S. V., Wood, E. H., Koo, E., Antonini, R. E., Ortiz, K., Gaynon, M. W., Moshfeghi, D. M.
2025
- **Risk of developing thyroid eye disease in patients with thyroid dysfunction that received a COVID-19 vaccination.** *Canadian journal of ophthalmology. Journal canadien d'ophtalmologie*
Amarikwa, L., Chandraparnik, P., Wai, K. M., Rahimy, E., Kinde, B., Koo, E., Ludwig, C. A., Dosiou, C., Mruthyunjaya, P., Kossler, A. L.
2025
- **Reduced rates of diabetic retinopathy complications with use of continuous glucose monitoring.** *Scientific reports*
Alsoudi, A. F., Wai, K. M., Koo, E., Koo, E., Mruthyunjaya, P., Rahimy, E.
2025; 15 (1): 25215
- **Long-Term Cannabis Use and Risk of Postoperative Proliferative Vitreoretinopathy.** *JAMA ophthalmology*
Alshaihsalama, A. M., Alsoudi, A. F., Mukhtar, A., Wai, K., Koo, E., Kossler, A., Ludwig, C., Mruthyunjaya, P., Rahimy, E.
2025
- **Gout and Risk of Age-related Macular Degeneration.** *Retina (Philadelphia, Pa.)*
Alshaihsalama, A. M., Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Rahimy, E.
2025
- **Association of Mental Health Disorders with Age-related Macular Degeneration**
Xiao, J., Nimmagadda, H., Mruthyunjaya, P., Rahimy, E., Ludwig, C. A., Koo, E., Wai, K.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Ocular Outcomes Comparing the Left Atrial Appendage Occlusion Device to Systemic Anticoagulation Therapy**
Yeung, T., Alsoudi, A., Koo, E., Wai, K., Mruthyunjaya, P., Rahimy, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Real-World Effectiveness of a Binocular, Dual-Mechanism Therapy in Severe and Deprivational Amblyopia: Analysis from the PUPIL Registry**
Indaram, M., Gaier, E. D., Ghasia, F., Koo, E., Kraus, C., Sambhariya, W., Hancock, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Association of Age-Related Macular Degeneration and Dementia: A Health Registry Database Study**
Nimmagadda, H., Wai, K., Koo, E., Rahimy, E., Mruthyunjaya, P.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Real-World Stereoacuity Outcomes of a Binocular, Dual-Mechanism Binocular, Therapy for Amblyopia: Results from the PUPIL Registry**
Bohnsack, B., Hancock, S., Ghasia, F., Koo, E., Gaier, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **The Impact of Myopia on the Risk of Retinal Re-Detachment After Cataract Surgery**
Mesfin, Y., Arnal, L., Salvi, A., Wai, K., Brodie, F., Koo, E., Kossler, A., Koo, E., Rahimy, E., Mruthyunjaya, P., Ludwig, C.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025

- **Types of strabismus and strabismus surgery after retinal detachment repair: a health registry database analysis.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Soetikno, B. T., Tran, E. M., Wai, K. M., Mruthyunjaya, P., Rahimy, E., Koo, E. B.
2025: 104216
- **Short-term effects of tetracycline use in patients with diabetic retinopathy.** *Canadian journal of ophthalmology. Journal canadien d'ophtalmologie*
Alshaikhsalama, A. M., Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Weng, C. Y., Rahimy, E.
2025
- **Re: Alshaikhsalama et al.: Association between obstructive sleep apnea and age-related macular degeneration development and progression** *Ophthalmol* **Retina**. 2024 Dec 9:S2468-6530(24)00580-3. doi: 10.1016/j.oret.2024.12.004. Online ahead of print.)
REPLY OPHTHALMOLOGY RETINA
Alshaikhsalama, A. M., Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Rahimy, E.
2025; 9 (5): e41-e42
- **Cardiovascular Morbidity and Mortality After Amaurosis Fugax.** *JAMA ophthalmology*
Wai, K. M., Loube, D. K., Pham, N. H., Ludwig, C. A., Koo, E., Mruthyunjaya, P., Rahimy, E.
2025
- **Reply: Alshaikhsalama et al: Association between Obstructive Sleep Apnea and Age-related Macular Degeneration Development and Progression.** *Ophthalmology. Retina*
Alshaikhsalama, A. M., Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Rahimy, E.
2025
- **Effect of prophylactic topical antibiotics on rates of infectious complications after strabismus surgery: a large database study.** *American journal of ophthalmology*
Binczyk, N. M., Koo, E. B., Lambert, S. R.
2024
- **Association between Obstructive Sleep Apnea and Age-related Macular Degeneration Development and Progression.** *Ophthalmology. Retina*
Alshaikhsalama, A. M., Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Rahimy, E.
2024
- **Curcuma-Based Nutritional Supplements and Risk of Age-Related Macular Degeneration.** *JAMA ophthalmology*
Alsoudi, A. F., Wai, K. M., Koo, E., Mruthyunjaya, P., Rahimy, E.
2024
- **Risk of Intestinal Complications, Extraintestinal Morbidity, and Mortality in Patients with Crohn's Disease and Ocular Involvement.** *Ocular immunology and inflammation*
Alsoudi, A. F., Wai, K. M., Koo, E., McConnell, R. A., Pham, N. H., Do, B. K., Ludwig, C. A., Kossler, A. L., Mruthyunjaya, P., Rahimy, E.
2024: 1-8
- **Reply to comment on: Impact of GLP-1 Agonists and SGLT-2 Inhibitors on Diabetic Retinopathy Progression: An Aggregated Electronic Health Record Data Study.** *American journal of ophthalmology*
Wai, K. M., Mishra, K., Koo, E., Ludwig, C. A., Parikh, R., Mruthyunjaya, P., Rahimy, E.
2024
- **Initial Therapy of Panretinal Photocoagulation vs Anti-VEGF Injection for Proliferative Diabetic Retinopathy.** *JAMA ophthalmology*
Alsoudi, A. F., Wai, K. M., Koo, E., Parikh, R., Mruthyunjaya, P., Rahimy, E.
2024
- **Risk of ocular neovascular conversion and systemic bleeding complications in patients with AMD on DOACs or Warfarin.** *Ophthalmology*
Alsoudi, A. F., Koo, E., Wai, K., Mruthyunjaya, P., Rahimy, E.
2024
- **Impact of Obstructive Sleep Apnea on Diabetic Retinopathy Progression and Systemic Complications.** *American journal of ophthalmology*
Rahimy, E., Koo, E. B., Wai, K. M., Ludwig, C. A., Kossler, A. L., Mruthyunjaya, P.
2024

- **Primary cilia formation requires the Leigh syndrome-associated mitochondrial protein NDUF2.** *The Journal of clinical investigation*
Lo, C. H., Liu, Z., Chen, S., Lin, F., Berneshawi, A. R., Yu, C. Q., Koo, E. B., Kowal, T. J., Ning, K., Hu, Y., Wang, W. J., Liao, Y. J., Sun, et al
2024; 134 (13)
- **Progression to Pars Plana Vitrectomy in Patients With Proliferative Diabetic Retinopathy.** *JAMA ophthalmology*
Alsoudi, A. F., Wai, K. M., Koo, E., Parikh, R., Mruthyunjaya, P., Rahimy, E.
2024
- **Risk of Intestinal Complications, Extraintestinal Morbidity, and Mortality in Patients with Crohn's Disease and Ocular Involvement**
Alsoudi, A., Wai, K., Koo, E., Pham, N., McConnell, R., Mruthyunjaya, P., Rahimy, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Real-World Study of Binocular, Dual-Acting Digital Therapy for Amblyopia: Top Line Results from Patient Registry**
Bohnsack, B., Binenbaum, G., Gaier, E. D., Ghasia, F., Koo, E., Repka, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Outcomes for Binocular, Dual-Acting Therapy for Amblyopia in the Real World: The First Three Months in Previously Treated Patients**
Ghasia, F., Bohnsack, B., Repka, M., Binenbaum, G., Koo, E., Gaier, E. D., Angjeli, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Strabismus and Amblyopia Incidence in Retinopathy of Prematurity patients followed at Stanford Medical Center**
Pitchayiah, P., Haensel, J. X., Koo, E., Roberts, T. L.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2024
- **Impact of GLP-1 Agonists and SGLT-2 Inhibitors on Diabetic Retinopathy Progression: An Aggregated Electronic Health Record Data Study.** *American journal of ophthalmology*
Wai, K. M., Mishra, K., Koo, E., Ludwig, C. A., Parikh, R., Mruthyunjaya, P., Rahimy, E.
2024
- **Association of ocular manifestations of Marfan syndrome with cardiovascular complications.** *American journal of ophthalmology*
Tran, E. M., Wai, K. M., Kossler, A. L., Mruthyunjaya, P., Rahimy, E., Koo, E. B.
2024
- **Burden of VKC in the US: A Retrospective Claims Database Analysis.** *Ophthalmology*
Koo, E. B., Yu, T. M., Layton, A. J., Babineaux, S., Fung, S.
2024
- **Inferior oblique myectomy for postoperative limitation of elevation in abduction.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Al-Lozi, A., Koo, E. B.
2024
- **Risk of Stroke, Myocardial Infarction, and Death After Retinal Artery Occlusion.** *JAMA ophthalmology*
Wai, K. M., Knapp, A., Ludwig, C. A., Koo, E., Parikh, R., Rahimy, E., Mruthyunjaya, P.
2023
- **Management of vernal keratoconjunctivitis: Navigating a changing treatment landscape.** *Survey of ophthalmology*
Ali, A., Bielory, L., Dotchin, S., Hamel, P., Strube, Y. N., Koo, E. B.
2023
- **Risk of Stroke, Myocardial Infarction, Deep Vein Thrombosis, Pulmonary Embolism, and Death after Retinal Vein Occlusion.** *American journal of ophthalmology*
Wai, K. M., Ludwig, C. A., Koo, E., Parikh, R., Mruthyunjaya, P., Rahimy, E.
2023
- **Anterior segment ischemia following strabismus surgery in a young adult using gender-affirming estrogen hormone therapy.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Al-Lozi, A., Koo, E. B., Lambert, S. R., Levin, M. H., Velez, F., Do, D. V., Shue, A.
2023

- **Real-world evaluation of amblyopic patient characteristics, clinical outcomes, and treatment patterns using the IRIS Registry.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Koo, E. B., Wiener, L. A., Syntosi, A.
2023
- **An Evaluation of Popular Online Eye Health Products on Amazon Marketplace** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Alsoudi, A. F., Loya, A., Abouodah, H., Koo, E., Rahimy, E.
2023; 54 (3): 147-152
- **Strabismus and Nystagmus in Patients with Pediatric Cataracts: Study using Insurance Claims Data.** *American journal of ophthalmology*
Kim, S. J., Slinger, K., Lambert, S. R., Koo, E., Shue, A., Roberts, T. L.
2022
- **Time to treatment of pediatric retinal detachments: A United States Claims-Based Analysis.** *Ophthalmology. Retina*
Archambault, C., Azad, A. D., Al-Moujahed, A., Vail, D., Wood, E., Koo, E. B.
2022
- **Prevalence and Characteristics of Cytomegalovirus Ocular Disease in Children: A Multi-Center Study.** *Clinical ophthalmology (Auckland, N.Z.)*
Mercado, C. L., Froines, C. P., Gaier, E. D., Wang, Q., Indaram, M., Wan, M. J., Shah, A. S., Koo, E. B.
2022; 16: 2209-2217
- **Referral patterns for infantile cataracts in two regions of the United States.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Huang, L. C., Kumar, P., Fredrick, D. R., Alcorn, D. M., Koo, E. B., Stell, L., Lambert, S. R.
1800
- **Readability and Content Analysis of Online Resources for Pediatric Ophthalmology**
Khan, S. I., Idrizi, A., Khan, R. I., Htwe, T. S., Koo, E.
ELSEVIER SCIENCE INC.2021: E132
- **Social Media and Retinal Detachment: Perspectives of Providers and Patients on Instagram** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Alsoudi, A. F., Rayess, N., Khan, S., Koo, E., Rahimy, E.
2021; 52 (7): 391-395
- **Outcomes of corneal crosslinking for keratoconus in children and young adults**
Saleh, S., Koo, E., Lambert, S., Manche, E.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Social media and vision therapy: perspectives of providers and patients on Instagram.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Johnson, A., Khan, S., Koo, E. B.
2021
- **Outcomes After Corneal Crosslinking for Keratoconus in Children and Young Adults.** *Cornea*
Saleh, S., Koo, E. B., Lambert, S. R., Manche, E. E.
2021
- **Prenatal and postnatal inflammation-related risk factors for retinopathy of prematurity** *JOURNAL OF PERINATOLOGY*
Goldstein, G. P., Leonard, S. A., Kan, P., Koo, E. B., Lee, H. C., Carmichael, S. L.
2019; 39 (7): 964-73
- **Prenatal and postnatal inflammation-related risk factors for retinopathy of prematurity.** *Journal of perinatology : official journal of the California Perinatal Association*
Goldstein, G. P., Leonard, S. A., Kan, P. n., Koo, E. B., Lee, H. C., Carmichael, S. L.
2019
- **Review of Ocular Manifestations of Joubert Syndrome.** *Genes*
Wang, S. F., Kowal, T. J., Ning, K., Koo, E. B., Wu, A. Y., Mahajan, V. B., Sun, Y.

2018; 9 (12)

- **Review of Ocular Manifestations of Joubert Syndrome** *GENES*
Wang, S. F., Kowal, T. J., Ning, K., Koo, E. B., Wu, A. Y., Mahajan, V. B., Sun, Y.
2018; 9 (12)
- **Global Practice Patterns in the Management of Infantile Cataracts** *EYE & CONTACT LENS-SCIENCE AND CLINICAL PRACTICE*
Koo, E. B., VanderVeen, D. K., Lambert, S. R.
2018; 44: S292-S296
- **Incidence of Cytomegalovirus-Related Ocular Disease in Pediatric Patients**
Mercado, C., Koo, E. B.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Global Practice Patterns in the Management of Infantile Cataracts.** *Eye & contact lens*
Koo, E. B., VanderVeen, D. K., Lambert, S. R.
2018
- **Treatment of Amblyopia and Amblyopia Risk Factors Based on Current Evidence** *SEMINARS IN OPHTHALMOLOGY*
Koo, E. B., Gilbert, A. L., VanderVeen, D. K.
2017; 32 (1): 1-7
- **Treatment of Amblyopia and Amblyopia Risk Factors Based on Current Evidence.** *Seminars in ophthalmology*
Koo, E. B., Gilbert, A. L., VanderVeen, D. K.
2016: 1-7
- **Evaluation and Management of Acute Acquired Comitant Esotropia in Children.** *Seminars in ophthalmology*
Gilbert, A. L., Koo, E. B., Heidary, G.
2016: 1-6
- **Effects of Glaucoma Tube Surgery on Corneal Endothelial Cells: A Review.** *Eye & contact lens*
Koo, E. B., Hou, J., Keenan, J. D., Stamper, R. L., Jeng, B. H., Han, Y.
2016; 42 (4): 221-224
- **An adolescent with a swollen nerve.** *JAMA ophthalmology*
Koo, E., de Alba Campomanes, A. G.
2015; 133 (1): 97-98
- **Effect of Glaucoma Tube Shunt Parameters on Cornea Endothelial Cells in Patients With Ahmed Valve Implants** *CORNEA*
Koo, E. B., Hou, J., Han, Y., Keenan, J. D., Stamper, R. L., Jeng, B. H.
2015; 34 (1): 37-41
- **Macular xanthophylls, lipoprotein-related genes, and age-related macular degeneration** *AMERICAN JOURNAL OF CLINICAL NUTRITION*
Koo, E., Neuringer, M., SanGiovanni, J. P.
2014; 100 (1): 336S-346S
- **Ten-Year Incidence Rates of Age-Related Cataract in the Age-Related Eye Disease Study (AREDS): AREDS Report No. 33** *OPHTHALMIC EPIDEMIOLOGY*
Koo, E., Chang, J. R., Agron, E., Clemons, T. E., Sperduto, R. D., Ferris, F. L., Chew, E. Y.
2013; 20 (2): 71-81
- **TREATMENT OF NONNEOVASCULAR IDIOPATHIC MACULAR TELANGIECTASIA TYPE 2 WITH INTRAVITREAL RANIBIZUMAB Results of a Phase II Clinical Trial** *RETINA-THE JOURNAL OF RETINAL AND VITREOUS DISEASES*
Toy, B. C., Koo, E., Cukras, C., Meyerle, C. B., Chew, E. Y., Wong, W. T.
2012; 32 (5): 996-1006
- **Risk Factors Associated with Incident Cataracts and Cataract Surgery in the Age-Related Eye Disease Study (AREDS) AREDS Report Number 32** *OPHTHALMOLOGY*
Chang, J. R., Koo, E., Agron, E., Hallak, J., Clemons, T., Azar, D., Sperduto, R. D., Ferris, F. L., Chew, E. Y.
2011; 118 (11): 2113-2119

- **Expanding indications for the Boston keratoprosthesis** *CURRENT OPINION IN OPHTHALMOLOGY*
Colby, K. A., Koo, E. B.
2011; 22 (4): 267-273
- **Spatial summation of mechanically evoked muscle pain and painful aftersensations in normal subjects and fibromyalgia patients** *PAIN*
Staud, R., Koo, E., Robinson, M. E., Price, D. D.
2007; 130 (1-2): 177-187