



## Ann Caroline Fisher, MD

Clinical Professor, Ophthalmology

### CLINICAL OFFICE (PRIMARY)

- **Stanford Byers Eye Institute**

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Palo Alto, CA 94303

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### Bio

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#### BIO

Caroline Fisher, MD, is a Clinical Professor of Ophthalmology at Stanford University Hospital and Clinics. She specializes in cataract and glaucoma surgery, including minimally invasive glaucoma surgery.

She completed her undergraduate education at Stanford University, obtaining both a Bachelor of Science degree in Biology and a Bachelor of Arts degree in Spanish, with Departmental Honors. She earned her medical degree from Stanford University School of Medicine and then went on to her internship at the University of Pennsylvania Presbyterian Hospital. She completed her ophthalmology residency at NYU/ Manhattan Eye, Ear, Throat Hospital. She then returned to Stanford for her Glaucoma Fellowship.

Dr. Fisher is Director of the Stanford Belize Vision Clinic, dedicated to promoting eye health and care in Belize, and providing an international rotation for Stanford Ophthalmology Residents. She is also an Office of Faculty Development and Engagement Liaison and is currently one of the Stanford Network for Advancement and Promotion (SNAP) Cohort Leaders. Dr. Fisher is the Director of Development and Engagement for the Department of Ophthalmology.

#### CLINICAL FOCUS

- Ophthalmology
- Glaucoma
- Cataract

#### ACADEMIC APPOINTMENTS

- Clinical Professor, Ophthalmology

#### ADMINISTRATIVE APPOINTMENTS

- Chair of Wellness, Engagement, Leadership, and Development Committee, American Glaucoma Society, (2023- present)
- Director of Engagement and Development, Byers Eye Institute Department of Ophthalmology, (2020- present)

- Associate Clinic Chief, Byers Eye Institute Department of Ophthalmology, (2018-2021)
- Director, Stanford Belize Vision Clinic, (2017- present)
- Liaison, Office of Faculty Development and Engagement, (2014- present)

## **HONORS AND AWARDS**

- Stanford Medical Teaching Award for Excellence in Promoting Diversity and Societal Citizenship, Stanford University School of Medicine (2024)
- Humanitarian of the Year Award, SEE International (2022)
- Office of Faculty Development & Diversity Community Support Initiative Grant, Stanford University School of Medicine (2019)
- Plager Faculty Teaching Award Department of Ophthalmology, Stanford Ophthalmology (2017)
- Alpha Omega Alpha Medical Honor Society, Alpha Omega Alpha, AOA (2015)
- Gerbode Medical Scholar, Stanford University School of Medicine (1998-1999)
- Excellence in Teaching Award, Department of Biology Stanford University (1998)
- Excellence in Teaching Award, Department of Biology Stanford University (1997)
- Excellence in Teaching Award, Department of Biology Stanford University (1996)
- Major Golden Grant for Humanities Scholarship and Creative Arts, Stanford University (1996)
- Sigma Delta Pi National Literary Honor Society, Sigma Delta Pi, Stanford University (1996)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Member, American Glaucoma Society Diversity, Equity, Inclusion Taskforce (2021 - 2023)
- Co-Chair, Clinical Educator Recruitment Taskforce (2021 - 2021)
- Member, American Glaucoma Society Board (2023 - present)
- Member, Clinical Educator Task Force Committee (2015 - 2015)
- Faculty Fellow, CIGH Center for Innovation in Global Health (2017 - present)
- Member, American Academy of Ophthalmology (2003 - present)
- Member, American Glaucoma Society (2014 - present)

## **PROFESSIONAL EDUCATION**

- Residency: New York University School of Medicine (2006) NY
- Medical Education: Stanford University School of Medicine (2002) CA
- Internship: Presbyterian Medical Center of Philadelphia (2003) PA
- Fellowship, Stanford University Hospital and Clinics , Glaucoma (2007)
- Board Certification: Ophthalmology, American Board of Ophthalmology (2009)
- BS, Stanford University , Biology (1997)
- BA, Stanford University , Spanish (1997)

## **COMMUNITY AND INTERNATIONAL WORK**

- MSICS Surgery, El Faro Mission Camp, Guatemala
- Stanford Belize Vision Clinic, San Pedro, Belize

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## Research & Scholarship

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### CLINICAL TRIALS

- A Phase 3b Study Evaluating the 24-Hour Intraocular Pressure Lowering Effect of Bimatoprost SR in Patients With Open-Angle Glaucoma or Ocular Hypertension, Not Recruiting
- Efficacy and Safety of Bimatoprost Sustained-Release (SR) in Patients With Open-Angle Glaucoma or Ocular Hypertension, Not Recruiting
- Efficacy and Safety Study of Bimatoprost Sustained-Release (SR) in Participants With Open-angle Glaucoma or Ocular Hypertension, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Mary Lopez Isidro

## Publications

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### PUBLICATIONS

- **Burden of Pseudoexfoliation and Pigmentary Glaucoma among American Indian or Alaska Native Patients.** *Ophthalmology science*  
Cohen, S. A., Haque, M. E., Pershing, S., Fisher, A. C.  
2026; 6 (2): 101023
- **Likelihood of Corneal Transplantation Following Tube versus Trabeculectomy: An IRIS® Registry (Intelligent Research in Sight) Study.** *Ophthalmology. Glaucoma*  
Dickinson, A. M., Leidy, L., Haque, M. E., Lam, H., Singh, K., Fisher, A. C., Mekonnen, B., Pershing, S.  
2025
- **The Impact of Race, Ethnicity, and Sex on Fairness in Artificial Intelligence for Glaucoma Prediction Models.** *Ophthalmology science*  
Ravindranath, R., Stein, J. D., Hernandez-Boussard, T., Fisher, A. C., Wang, S. Y.  
2025; 5 (1): 100596
- **Detection Rate of Diabetic Retinopathy Before and After Implementation of a Novel Autonomous AI-Based Device in a Resource-Limited Area**  
Gutierrez, K., Esmailkhanian, H., Myung, D., Fisher, A.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2025
- **Detection Rate of Diabetic Retinopathy Before and After Implementation of Autonomous AI-based Fundus Photograph Analysis in a Resource-Limited Area in Belize.** *Clinical ophthalmology (Auckland, N.Z.)*  
Esmailkhanian, H., Gutierrez, K. G., Myung, D., Fisher, A. C.  
2025; 19: 993-1006
- **Comparing the Accuracy and Readability of Glaucoma-related Question Responses and Educational Materials by Google and ChatGPT.** *Journal of current glaucoma practice*  
Cohen, S. A., Fisher, A. C., Xu, B. Y., Song, B. J.  
2024; 18 (3): 110-116
- **Google Trends-Assisted Analysis of the Readability, Accountability, and Accessibility of Online Patient Education Materials for the Treatment of AMD After US FDA Approval of Pegcetacoplan.** *Journal of vitreoretinal diseases*  
Cohen, S. A., Brant, A., Rayess, N., Rahimy, E., Pan, C., Fisher, A. C., Pershing, S., Do, D.  
2024; 8 (4): 421-427
- **Dr. Google vs. Dr. ChatGPT: Exploring the Use of Artificial Intelligence in Ophthalmology by Comparing the Accuracy, Safety, and Readability of Responses to Frequently Asked Patient Questions Regarding Cataracts and Cataract Surgery.** *Seminars in ophthalmology*  
Cohen, S. A., Brant, A., Fisher, A. C., Pershing, S., Do, D., Pan, C.  
2024: 1-8

- **Using Electronic Health Record Data to Determine the Safety of Aqueous Humor Liquid Biopsies for Molecular Analyses.** *Ophthalmology science*  
Wolf, J., Chemudupati, T., Kumar, A., Franco, J. A., Montague, A. A., Lin, C. C., Lee, W. S., Fisher, A. C., Goldberg, J. L., Mruthyunjaya, P., Chang, R. T., Mahajan, V. B.  
2024; 4 (5): 100517
- **The Association Between Frailty and Visual Field Loss in U.S. Adults.** *American journal of ophthalmology*  
Bernstein, I. A., Fisher, A. C., Singh, K., Wang, S. Y.  
2023
- **Analysis of the Readability and Accountability of Online Patient Education Materials Related to Glaucoma Diagnosis and Treatment.** *Clinical ophthalmology (Auckland, N.Z.)*  
Cohen, S. A., Fisher, A. C., Pershing, S.  
2023; 17: 779-788
- **Corrigendum to Phase 1b Randomized Controlled Study of Short Course Topical Recombinant Human Nerve Growth Factor (rhNGF) for Neuroenhancement in Glaucoma: Safety, Tolerability, and Efficacy Measure Outcomes.** *Am J Ophthalmol* 2022;234:223-234. *American journal of ophthalmology*  
Beykin, G., Stell, L., Halim, M. S., Nunez, M., Popova, L., Nguyen, B. T., Groth, S. L., Dennis, A., Li, Z., Atkins, M., Khavari, T., Wang, S. Y., Chang, et al  
2022
- **Evaluation of Website Accessibility and Content for all Glaucoma Fellowship Programs in the United States.** *Ophthalmology. Glaucoma*  
Cohen, S. A., Fisher, A. C., Pershing, S.  
2021
- **Implicit Bias and the Association of Redaction of Identifiers With Residency Application Screening Scores.** *JAMA ophthalmology*  
Pershing, S., Stell, L., Fisher, A. C., Goldberg, J. L.  
2021
- **Phase 1b randomized controlled study of short course topical recombinant human nerve growth factor (rhNGF) for neuroenhancement in glaucoma: safety, tolerability and efficacy measure outcomes.** *American journal of ophthalmology*  
Gala, B., Laurel, S., Sohail, H. M., Mariana, N., Lilia, P., Bac T, N., Sylvia L, G., Amy, D., Zhongqiu, L., Melissa, A., Tom, K., Sophia Y, W., Robert, et al  
2021
- **An Open-Label Phase Ib Study to Evaluate Retinal Imaging After Short-term Use of the Balance Goggles System (BGS) in Patients with Glaucoma**  
Li, Z., Knasel, C., Nunez, M., Beykin, G., Goldstein, A., Fisher, A. C., Singh, K., Sun, Y., Chang, R. T., Lee, W., Goldberg, J.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
- **Comparison of Using One Trabecular Microbypass Stent versus Two during Cataract Surgery at Two Sites: One-Year Follow-Up.** *BioMed research international*  
Yang, S., Ittarat, M., Tran, E., Ferrell, P., Wang, G., Fisher, A. C., Li, Z., Chang, R. T.  
2020; 2020: 1920352
- **Comparison of 1-Year Effectiveness of Trabecular Microbypass Stent implantation (iStent) in Conjunction With Phacoemulsification Among Mild, Moderate, and Severe Primary Open-angle Glaucoma Patients.** *Journal of glaucoma*  
Chansangpetch, S. n., Ittarat, M. n., Yang, S. n., Fisher, A. C., Singh, K. n., Lin, S. C., Chang, R. T.  
2020
- **Comparison of 1 year effectiveness of trabecular microbypass stent implantation (iStent) among mild, moderate, and severe primary open angle glaucoma**  
Chansangpetch, S., Ittarat, M., Yang, S., Fisher, A. C., Singh, K., Lin, S. C., Chang, R.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Recombinant human nerve growth factor (rhNGF) eye drops for glaucoma: Results from a prospective double - masked randomized controlled trial**  
Nunez, M., Popova, L., Nguyen, B. T., Groth, S. L., Dennis, A., Li, Z., Khavari, T., Wang, S. Y., Chang, R., Fisher, A. C., Goldberg, J. L.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019

- **Characteristics of cataract surgery patients influencing patient satisfaction scores.** *Journal of cataract and refractive surgery*  
Lee, M. D., Chen, S. P., Chen, T. A., Leibold, C., Li, Z., Fisher, A. C., Lin, C. C., Singh, K., Chang, R. T.  
2019
- **Recombinant human nerve growth factor (rhNGF) eye drops for glaucoma: Interim results**  
Popova, L., Nunez, M., Bac Tien Nguyen, Groth, S., Dennis, A., Li, Z., Khavari, T., Wang, S., Chang, R., Fisher, A., Goldberg, J. L.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Characteristics of cataract surgery patients influencing Press Ganey patient satisfaction scores**  
Lee, M., Chen, S., Chen, T., Fisher, A., Lin, C. C., Singh, K., Chang, R.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Impact of Race on Press Ganey Measures of Ophthalmology Clinic Visits**  
Chen, T., Chen, S., Lee, M., Fisher, A., Lin, C. C., Singh, K., Chang, R.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018
- **Chapter 107: Modulation of Wound Healing Techniques** *Glaucoma, 1st Edition*  
Fisher, A., Doshi A, Singh K  
2009
- **Crystalline Retinopathy associated with retinal dialysis and chronic retinal detachment** *Retina*  
Ciardella AP, Yannuzzi LA, Borodoker N, Mendoza C  
2002; 22 (3): 360-2
- **Chapter 109: Automated Perimetry Diagnostic Modalities in Ophthalmology** *Duane's Ophthalmology*  
Fisher, A., Prince A