

Stanford



Suzann Pershing, MD

Associate Professor of Ophthalmology

Bio

BIO

Dr. Pershing is on the ophthalmology faculty at Stanford University School of Medicine, with an academic career blending clinical practice, teaching, research, and administration. She serves as Program Director for the Stanford University Medical Center ophthalmology residency and Chief of Ophthalmology for the VA Palo Alto Health Care System.

In her role as residency program director, she is committed to residency program diversity and excited to innovate and implement novel approaches to residency education—such as the 4-year research track residency program (SOAR), opportunities for resident elective scholarly activity, and efforts to develop a valuable internship program for incoming ophthalmology residents at Stanford.

Her research interests focus on improved utilization of big data, biomedical informatics techniques, and evidence-based medicine to study clinical associations and outcomes, health care utilization, disease progression, and cost-effectiveness of ophthalmic treatment. Dr. Pershing is active in big data initiatives and analysis, including collaborative projects at Stanford and serving as site PI for the American Academy of Ophthalmology (AAO) IRIS Registry analytic group at Stanford. She also serves as the AAO representative to the American Board of Medical Specialties task force on Information and Data Sharing, focusing on collaboration among specialty boards and societies to use data sources such as national clinical registries to facilitate improved quality of care, continuing certification, and practice and outcomes assessments. Dr. Pershing is also involved in health policy efforts, including helping to develop CMS episode-based cost measures for MIPS, and is interested in health care innovation—technology, quality, and delivery systems.

Dr. Pershing serves as faculty advisor for the Alpha Omega Alpha medical honor society Stanford association, with focus on resident initiatives, and mentors both medical students and undergraduate students.

ACADEMIC APPOINTMENTS

- Associate Professor - University Medical Line, Ophthalmology

ADMINISTRATIVE APPOINTMENTS

- Ophthalmology Residency Program Director, Stanford University Medical Center, (2018- present)
- Chief, Ophthalmology and Eye Care Services, VA Palo Alto Health Care System, (2013- present)

HONORS AND AWARDS

- Stanford Faculty Teaching Award, Stanford Department of Ophthalmology (2014)
- President's Clinical Science Award, Medical University of South Carolina (2006)

- American Medical Women's Association Glasgow-Rubin Certificate of Commendation, Medical University of South Carolina (2006)
- Merck Award for Academic Excellence, Medical University of South Carolina (2006)
- Elected Member, Alpha Omega Alpha Medical Honor Society (2004)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Board of Directors, Alpha Omega Alpha National Medical Honor Society (2009 - 2020)
- Working Group and Task Force, American Academy of Ophthalmology IRIS Clinical Data Registry (2012 - 2017)
- Working Group, Cataract Surgery and Macular Degeneration, International Consortium for Health Outcomes Measurement (2013 - 2016)

PROFESSIONAL EDUCATION

- Residency, Stanford University Medical Center , Ophthalmology (2010)
- Fellowship, Stanford University - Health Policy and Health Services Research and Health Policy , CA (2013)

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Samuel Cohen, Jodi So

Postdoctoral Faculty Sponsor

Sahil Shah, Sean Wang

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Health Services Research (Masters Program)

Publications

PUBLICATIONS

- **An evaluation of the content on pediatric ophthalmology fellowship program websites.** *Journal of AAPOS : the official publication of the American Association for Pediatric Ophthalmology and Strabismus*
Cohen, S. A., Pershing, S.
2022
- **Adjustable suture technique is associated with fewer strabismus reoperations in the IRIS Registry (Intelligent Research in Sight).** *Ophthalmology*
Oke, I., Hall, N., Elze, T., Miller, J. W., Lorch, A. C., Hunter, D. G., IRIS Data Analytics Committee members, Pershing, S., Hyman, L., Haller, J. A., Lee, A. Y., Lee, C. S., Lum, F., et al
2022
- **Readability and accountability of online patient education materials for common retinal diseases.** *Ophthalmology. Retina*
Cohen, S. A., Pershing, S.
2022
- **Re: Pershing et al.: Bidirectional association between visual impairment and dementia among older adults in the United States over time**
REPLY OPHTHALMOLOGY
Chen, S. P., Azad, A. D., Pershing, S.
2022; 129 (2): E33-E35
- **Accessibility and Content of Vitreoretinal Surgery Fellowship Program Websites.** *Ophthalmology. Retina*
Cohen, S. A., Pershing, S.
1800
- **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

- **Reply.** *Ophthalmology*
Chen, S. P., Azad, A. D., 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
- **Endophthalmitis rate in immediately sequential vs delayed sequential bilateral cataract surgery within the IRIS Registry data.** *Ophthalmology*
Lacy, M., Kung, T. H., Owen, J. P., Yanagihara, R. T., Blazes, M., Pershing, S., Hyman, L. G., Van Gelder, R. N., Lee, A. Y., Lee, C. S., IRIS Registry Analytic Center Consortium, Lum, F., Chew, E., et al
2021
- **Black and Blue: Eyes and Dyes**
Sobel, R., Nirschl, J., Hammer, P., Sanchez, R., Pershing, S., Louie, C., Lin, J.
OXFORD UNIV PRESS INC.2021: 579
- **Endophthalmitis risk following same-day vs delayed sequential bilateral cataract surgery using the Intelligent Research in Sight (IRIS)(R) Registry**
Lacy, M., Owen, J., Yanagihara, R. T., Blazes, M., Pershing, S., Hyman, L., Van Gelder, R. N., Lee, A. Y., Lee, C. S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Geographic and Socioeconomic Disparities in Uveal Melanoma Treatment, 2004-2016**
So, J., Pershing, S., Afshar, A.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Age, Gender, and Laterality of Retinal Vascular Occlusion: A Retrospective Study from the IRIS Registry.** *Ophthalmology. Retina*
Li, Y., Hall, N. E., Pershing, S., Hyman, L., Haller, J. A., Lee, A. Y., Lee, C. S., Chiang, M., Lum, F., Miller, J. W., Lorch, A., Elze, T.
2021
- **Variability and Costs of Low-Value Preoperative Testing for Cataract Surgery Within the Veterans Health Administration.** *JAMA network open*
Mudumbai, S. C., Pershing, S., Bowe, T., Kamal, R. N., Sears, E. D., Hawn, M. T., Eisenberg, D., Finlay, A. K., Hagedorn, H., Harris, A. H.
2021; 4 (5): e217470
- **Need for Retinal Detachment Reoperation based on Primary Repair Method among Commercially-insured Patients, 2003-2016.** *American journal of ophthalmology*
R Reeves, M., Afshar, A. R., Pershing, S.
2021
- **Development of the Elective Outpatient Percutaneous Coronary Intervention Episode-Based Cost Measure.** *Circulation. Cardiovascular quality and outcomes*
Sandhu, A. T., Do, R., Lam, J., Blankenship, J., Van Decker, W., Rich, J., Gonzalez, O., Wu, X., Pershing, S., Lin, E., MaCurdy, T. E., Bhattacharya, J., Nagavarapu, et al
2021: CIRCOUTCOMES119006461
- **Bidirectional Association between Visual Impairment and Dementia Among US Older Adults Over Time.** *Ophthalmology*
Chen, S. P., Azad, A. D., Pershing, S.
2021
- **Systemic Corticosteroid Use after Central Serous Chorioretinopathy Diagnosis** *OPHTHALMOLOGY*
Azad, A. D., Zhou, M., Afshar, A. R., Bakri, S. J., Pershing, S.
2021; 128 (1): 121-29
- **The Impact of COVID-19 on Missed Ophthalmology Clinic Visits** *CLINICAL OPHTHALMOLOGY*
Brant, A. R., Pershing, S., Hess, O., Rooney, D., Goldberg, J., Tabin, G., Wang, S. Y.
2021; 15: 4645-4657
- **Comparing cataract surgery complication rates in veterans receiving VA and community care.** *Health services research*
Rosen, A. K., Vanneman, M. E., O'Brien, W. J., Pershing, S., Wagner, T. H., Beilstein-Wedel, E., Lo, J., Chen, Q., Cockerham, G. C., Shwartz, M.
2020

- **Big data requirements for artificial intelligence.** *Current opinion in ophthalmology*
Wang, S. Y., Pershing, S., Lee, A. Y., AAO Taskforce on AI and AAO Medical Information Technology Committee
2020
- **Intraocular Pressure Changes after Cataract Surgery in Patients with and without Glaucoma: An Informatics-Based Approach.** *Ophthalmology. Glaucoma*
Wang, S. Y., Azad, A. D., Lin, S. C., Hernandez-Boussard, T., Pershing, S.
2020
- **Ophthalmology Consultation to Detect Endogenous Endophthalmitis: Clinical Characteristics in Consulted Versus Diagnosed Cases Among At-Risk Inpatients** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Wang, K., Krishnan, G., Pershing, S.
2020; 51 (3): 159-+
- **Receipt of Eye Care Services among Medicare Beneficiaries with and without Dementia.** *Ophthalmology*
Pershing, S., Goldstein, M. K., Henderson, V. W., Bundorf, M. K., Lu, Y., Rahman, M., Stein, J. D.
2020
- **Smoking Is Associated with Higher Intraocular Pressure Regardless of Glaucoma: A Retrospective Study of 12.5 Million Patients Using the Intelligent Research in Sight (IRIS®) Registry.** *Ophthalmology. Glaucoma*
Lee, C. S., Owen, J. P., Yanagihara, R. T., Lorch, A. n., Pershing, S. n., Hyman, L. n., Miller, J. W., Haller, J. A., Chiang, M. F., Lum, F. n., Lee, A. Y.
2020; 3 (4): 253-61
- **The New USMLE Step 1 Paradigm: An Opportunity to Cultivate Diversity of Excellence.** *Academic medicine : journal of the Association of American Medical Colleges*
Pershing, S. n., Co, J. P., Katznelson, L. n.
2020
- **Artificial Intelligence in Global Ophthalmology: Using Machine Learning to Improve Cataract Surgery Outcomes at Ethiopian Outreaches.** *Journal of cataract and refractive surgery*
Brant, A. R., Hinkle, J. n., Shi, S. n., Hess, O. n., Zubair, T. n., Pershing, S. n., Tabin, G. C.
2020
- **Cataract Surgery Complexity and Surgical Complication Rates among Medicare Beneficiaries with and without Dementia.** *American journal of ophthalmology*
Pershing, S. n., Henderson, V. W., Goldstein, M. K., Lu, Y. n., Bundorf, M. K., Rahman, M. n., Stein, J. D.
2020
- **Association of Visual Impairment With Risk of Incident Dementia in a Women's Health Initiative Population.** *JAMA ophthalmology*
Tran, E. M., Stefanick, M. L., Henderson, V. W., Rapp, S. R., Chen, J. C., Armstrong, N. M., Espeland, M. A., Gower, E. W., Shadyab, A. H., Li, W. n., Stone, K. L., Pershing, S. n.
2020
- **Systemic Corticosteroid Use after Central Serous Chorioretinopathy Diagnosis.** *Ophthalmology*
Azad, A. D., Zhou, M. n., Afshar, A. R., Bakri, S. J., Pershing, S. n.
2020
- **Sex Differences in the Repair of Retinal Detachments in the United States.** *American journal of ophthalmology*
Callaway, N. F., Vail, D. n., Al-Moujahed, A. n., Ludwig, C. n., Ji, M. H., Mahajan, V. B., Pershing, S. n., Moshfeghi, D. M.
2020
- **Association of Rhegmatogenous Retinal Detachment and Outcomes With the Day of the Week That Patients Undergo a Repair or Receive a Diagnosis.** *JAMA ophthalmology*
Vail, D., Pan, C., Pershing, S., Mruthyunjaya, P.
2019
- **Risk factors for incident central serous retinopathy: case-control analysis of a US national managed care population** *BRITISH JOURNAL OF OPHTHALMOLOGY*
Zhou, M., Bakri, S. J., Pershing, S.
2019; 103 (12): 1784-88
- **Automated extraction of ophthalmic surgery outcomes from the electronic health record.** *International journal of medical informatics*

- Wang, S. Y., Pershing, S., Tran, E., Hernandez-Boussard, T.
2019; 133: 104007
- **Endophthalmitis after Cataract Surgery in the United States: A Report from the Intelligent Research in Sight Registry, 2013-2017.** *Ophthalmology*
Pershing, S., Lum, F., Hsu, S., Kelly, S., Chiang, M. F., Rich, W. L., Parke, D. W.
2019
 - **Gender Differences in Surgical Intervention Rate and Timing for Rhegmatogenous Retinal Detachments Among US Commercially Insured Patients From 2007-2015**
Callaway, N. F., Vail, D., Pershing, S., Ludwig, C. A., Moshfeghi, D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
 - **Refining Metrics for Assessing the Quality of Care of Patients Undergoing Cataract Surgery for Use in Big Data Analyses**
Weinlander, E., Talwar, N., Weizer, J., Saleem, S., Pershing, S., Stagg, B., Mwanza, J., Lynch, A., Sugar, A., Lee, P. P., Stein, J. D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
 - **Characterizing Geographic Variation in Surgical Management of Rhegmatogenous Retinal Detachment**
Vail, D., Pershing, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
 - **Differences in Receiving Eye Care Based on Dementia Status**
Pershing, S., Goldstein, M. K., Henderson, V. W., Lu, Y., Bundorf, M., Rahman, M., Andrews, C., Stein, J. D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
 - **Risk factors for incident central serous retinopathy: case-control analysis of a US national managed care population.** *The British journal of ophthalmology*
Zhou, M., Bakri, S. J., Pershing, S.
2019
 - **Development and validation of a predictive model for American Society of Anesthesiologists Physical Status.** *BMC health services research*
Mudumbai, S. C., Pershing, S. n., Bowe, T. n., Kamal, R. N., Sears, E. D., Finlay, A. K., Eisenberg, D. n., Hawn, M. T., Weng, Y. n., Trickey, A. W., Mariano, E. R., Harris, A. H.
2019; 19 (1): 859
 - **Understanding Patient Attitudes Toward Multifocal Intraocular Lenses in Online Medical Forums Through Sentiment Analysis**
Wang, S. Y., Hernandez-Boussard, T., Chang, R. T., Pershing, S., OhnoMachado, L., Seroussi, B.
IOS PRESS.2019: 1378–82
 - **Understanding Patient Attitudes Toward Multifocal Intraocular Lenses in Online Medical Forums Through Sentiment Analysis.** *Studies in health technology and informatics*
Wang, S. Y., Hernandez-Boussard, T. n., Chang, R. T., Pershing, S. n.
2019; 264: 1378–82
 - **Characteristics of Ophthalmology Trials Registered in ClinicalTrials.gov, 2007-2018.** *American journal of ophthalmology*
Turner, B. n., Rajeshuni, N. n., Tran, E. M., Ludwig, C. A., Tauqeer, Z. n., Weeks, B. n., Kinde, B. n., Pershing, S. n.
2019
 - **Differences in Cataract Surgery Rates Based on Dementia Status** *JOURNAL OF ALZHEIMERS DISEASE*
Pershing, S., Henderson, V. W., Bundorf, M., Lu, Y., Rahman, M., Andrews, C. A., Goldstein, M., Stein, J. D.
2019; 69 (2): 423–32
 - **The Relative Impact of Patient, Physician, and Geographic Factors on Variation in Primary Rhegmatogenous Retinal Detachment Management.** *Ophthalmology*
Vail, D. n., Pershing, S. n., Reeves, M. G., Afshar, A. R.
2019
 - **Use of Bevacizumab and Ranibizumab for Wet Age-Related Macular Degeneration: Influence of CATT Results and Introduction of Aflibercept.** *American journal of ophthalmology*
Pershing, S. n., Talwar, N. n., Armenti, S. T., Grubbs, J. n., Rosenthal, J. M., Dedania, V. S., Stein, J. D.
2019

- **Choice of Primary Rhegmatogenous Retinal Detachment Repair Method in US Commercially-insured and Medicare Advantage Patients, 2003-2016.** *American journal of ophthalmology*
Reeves, M., Pershing, S., Afshar, A. R.
2018
- **An Analysis of Medicare Reimbursement to Ophthalmologists: Years 2012 to 2013** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
Han, E., Baisiwala, S., Jain, A., Bundorf, M., Pershing, S.
2017; 182: 133–40
- **Association of Vision Loss With Cognition in Older Adults** *JAMA OPHTHALMOLOGY*
Chen, S. P., Bhattacharya, J., Pershing, S.
2017; 135 (9): 963–70
- **Trends in Hospitalization and Incidence Rate for Syphilitic Uveitis in the United States from 1998-2009.** *American journal of ophthalmology*
Albini, T., Callaway, N. F., Pershing, S., Wang, S. K., Moshfeghi, A. A., Moshfeghi, D. M.
2017
- **Self-Reported Receipt of Dilated Fundus Exams among Patients with Diabetes: Medicare Expenditure Panel Survey, 2002-2013.** *American journal of ophthalmology*
Tien Tran, E. M., Bhattacharya, J., Pershing, S.
2017
- **Determining the Value of Home Monitoring of Patients With Age-Related Macular Degeneration.** *JAMA ophthalmology*
Pershing, S. n., Stein, J. D.
2017; 135 (5): 459–60
- **Cataract Surgery Complications and Revisit Rates Among Three States** *AMERICAN JOURNAL OF OPHTHALMOLOGY*
Pershing, S., Morrison, D. E., Hernandez-Boussard, T.
2016; 171: 130-138
- **Integrating the Internship into Ophthalmology Residency Programs: Association of University Professors of Ophthalmology American Academy of Ophthalmology White Paper.** *Ophthalmology*
Oetting, T. A., Alfonso, E. C., Arnold, A., Cantor, L. B., Carter, K., Cruz, O. A., Feldon, S., Mondino, B., Parke, D. W., Pershing, S., Uhler, T., Volpe, N. J.
2016; 123 (9): 2037-2041
- **Defining a Minimum Set of Standardized Patient-centered Outcome Measures for Macular Degeneration.** *American journal of ophthalmology*
Rodrigues, I. A., Sprinkhuizen, S. M., Barthelmes, D., Blumenkranz, M., Cheung, G., Haller, J., Johnston, R., Kim, R., Klaver, C., McKibbin, M., Ngah, N. F., Pershing, S., Shankar, et al
2016; 168: 1-12
- **Predictive modeling of risk factors and complications of cataract surgery.** *European journal of ophthalmology*
Gaskin, G. L., Pershing, S., Cole, T. S., Shah, N. H.
2016; 26 (4): 328-337
- **Physician Utilization Patterns for VEGF-Inhibitor Drugs in the 2012 United States Medicare Population: Bevacizumab, Ranibizumab, and Aflibercept** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Baisiwala, S., Bundorf, M. K., Pershing, S.
2016; 47 (6): 555-562
- **Supply and Perceived Demand for Teleophthalmology in Triage and Consultations in California Emergency Departments** *JAMA OPHTHALMOLOGY*
Wedekind, L., Sainani, K., Pershing, S.
2016; 134 (5): 537-543
- **Supply and Perceived Demand for Teleophthalmology in Triage and Consultations in California Emergency Departments.** *JAMA ophthalmology*
Wedekind, L., Sainani, K., Pershing, S.
2016
- **A Proposed Minimum Standard Set of Outcome Measures for Cataract Surgery.** *JAMA ophthalmology*
Mahmud, I., Kelley, T., Stowell, C., Haripriya, A., Boman, A., Kessler, I., Morlet, N., Pershing, S., Pesudovs, K., Goh, P. P., Sparrow, J. M., Lundström, M.
2015; 133 (11): 1247-1252

- **Reply: To PMID 25486541.** *American journal of ophthalmology*
Pershing, S., Vaziri, K., Albin, T. A., Moshfeghi, D. M., Moshfeghi, A. A.
2015; 160 (2): 392-?
- **Risk factors predictive of endogenous endophthalmitis among hospitalized patients with hematogenous infections in the united states.** *American journal of ophthalmology*
Vaziri, K., Pershing, S., Albin, T. A., Moshfeghi, D. M., Moshfeghi, A. A.
2015; 159 (3): 498-504
- **Treating age-related macular degeneration: comparing the use of two drugs among medicare and veterans affairs populations.** *Health affairs*
Pershing, S., Pal Chee, C., Asch, S. M., Baker, L. C., Boothroyd, D., Wagner, T. H., Bundorf, M. K.
2015; 34 (2): 229-238
- **Treating age-related macular degeneration: comparing the use of two drugs among medicare and veterans affairs populations.** *Health affairs*
Pershing, S., Pal Chee, C., Asch, S. M., Baker, L. C., Boothroyd, D., Wagner, T. H., Bundorf, M. K.
2015; 34 (2): 229-238
- **Clinical-Pathologic Correlation: Vitrectomy With Epiretinal and Internal Limiting Membrane Peel** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*
Demarchis, E. H., Pershing, S., Moshfeghi, D. M.
2014; 45 (3): 218-221
- **Cost-Effectiveness of Treatment of Diabetic Macular Edema** *ANNALS OF INTERNAL MEDICINE*
Pershing, S., Enns, E. A., Matesic, B., Owens, D. K., Goldhaber-Fiebert, J. D.
2014; 160 (1): 18-?
- **Restructuring medical education to meet current and future health care needs.** *Academic medicine*
Pershing, S., Fuchs, V. R.
2013; 88 (12): 1798-1801
- **Ocular hypertension and intraocular pressure asymmetry after intravitreal injection of anti-vascular endothelial growth factor agents.** *Ophthalmic surgery, lasers & imaging retina*
Pershing, S., Bakri, S. J., Moshfeghi, D. M.
2013; 44 (5): 460-464
- **Trends in ophthalmic manifestations of methicillin-resistant Staphylococcus aureus (MRSA) in a northern California pediatric population** *40th Annual Fall Meeting of the American-Society-of-Ophthalmic-Plastic-and-Reconstructive-Surgery*
Amato, M., Pershing, S., Walvick, M., Tanaka, S.
MOSBY-ELSEVIER.2013: 243-47
- **The importance of keeping a broad differential in retina clinic: the spectrum of ophthalmic disease seen by retina specialists in a tertiary outpatient clinic setting.** *Ophthalmic surgery, lasers & imaging retina*
Fijalkowski, N., Pershing, S., Moshfeghi, D. M.
2013; 44 (2): 133-139
- **Phacoemulsification versus extracapsular cataract extraction: where do we stand?** *CURRENT OPINION IN OPHTHALMOLOGY*
Pershing, S., Kumar, A.
2011; 22 (1): 37-42
- **Cytomegalovirus Infection with MRI Signal Abnormalities Affecting the Optic Nerves, Optic Chiasm, and Optic Tracts** *JOURNAL OF NEURO-OPHTHALMOLOGY*
Pershing, S., Dunn, J., Khan, A., Liao, Y. J.
2009; 29 (3): 223-226
- **Comparison of anterior vitrectorhexis and continuous curvilinear capsulorhexis in pediatric cataract and intraocular lens implantation. surgery: A 10-year analysis** *JOURNAL OF AAPOS*
Wilson, M. E., Trivedi, R. H., Bartholomew, L. R., Pershing, S.
2007; 11 (5): 443-446