

Stanford



Sophia Y. Wang, MD, MS

Assistant Professor of Ophthalmology

CLINICAL OFFICE (PRIMARY)

- Stanford Byers Eye Institute

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Bio

BIO

Dr Wang graduated magna cum laude from Harvard University with a degree in Biochemical Sciences. She went on to spend a year in Japan on a Fulbright Scholarship. She then attended medical school at the University of California, San Francisco, during which she also completed a research year in ophthalmology and a yearlong Advanced Training in Clinical Research Certificate Program offered by the UCSF Department of Epidemiology and Biostatistics. After a PGY-1 intern year at Kaiser Permanente Northern California Oakland, she went on to complete ophthalmology residency training at the University of Michigan Kellogg Eye Center. She pursued additional training in glaucoma through a fellowship at the Stanford Byers Eye Institute, after which she continued on as faculty in the Department of Ophthalmology.

Dr Wang specializes in the medical and surgical treatment of all different forms of glaucoma, as well as cataract surgery. Her research interests lie in "big data" for ophthalmology. Her research to develop artificial intelligence algorithms to predict glaucoma patients' outcomes using natural language processing for electronic health records data is supported by a Research to Prevent Blindness Career Development Award and a K23 Career Development Award from the National Eye Institute.

CLINICAL FOCUS

- Glaucoma
- Cataract Extraction
- Glaucoma Specialist

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Ophthalmology

HONORS AND AWARDS

- Young Clinician Scientist Award, American Glaucoma Society (2023)
- McCormick-Gabilan Fellowship, Stanford (2021)
- Career Development Award, Research to Prevent Blindness (2020)

PROFESSIONAL EDUCATION

- Fellowship: Stanford Health Care Byers Eye Institute CA
- Residency: University of Michigan Dept of Ophthalmology (2017) MI
- MS, Stanford University , Biomedical Informatics (2021)
- Internship: Kaiser Permanente Oakland Internal Medicine Residency (2014) CA
- Board Certification: Ophthalmology, American Board of Ophthalmology (2018)
- Medical Education: University of California at San Francisco School of Medicine (2013) CA

Research & Scholarship

RESEARCH INTERESTS

- Data Sciences

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My interests lie in “big data” for ophthalmology research. I started my career in data science acquiring the tools of basic epidemiology and public health research during my Fulbright year studying diet and metabolic syndrome in Japan. Then during medical school, I was awarded a fellowship through the NIH-funded Clinical and Translational Sciences Institute at UCSF to spend an extra year pursuing glaucoma research while enrolled in the Advanced Training in Clinical Research program offered by UCSF’s epidemiology and biostatistics department. I worked through a curriculum identical to the first year of the Master’s Degree program in clinical research and analyzed data from the National Health and Nutrition Examination Survey (NHANES) to explore associations with glaucoma as diverse as depression and vitamin and nutrient intake. Moving to the University of Michigan Kellogg Eye Center for ophthalmology residency gave me further opportunities to branch into health services and health equity research, and to grapple with the nuances of longitudinal and “messy” real world data of health insurance claims and electronic health records (EHR) data.

In June 2019, I completed a glaucoma fellowship at Stanford University at the Byers Eye Institute and continued to stay on as faculty in the Department of Ophthalmology. Rather than the traditional one-year full-time clinical fellowship, I crafted a two-year fellowship experience combining clinical training with continued research efforts. The fertile interdisciplinary environment of Stanford University allows me to work on newest frontiers in data science by working with scientists in biomedical data science and health informatics. I completed a Master’s Degree in Biomedical Informatics, which has given me the tools and skills I need as a clinician scientist at the interface of informatics and ophthalmology. I continue to expand my work in EHR data analysis, incorporating natural language processing and machine learning techniques to unlock insights from clinical and unstructured data in order to impact people’s health, health literacy, health attitudes, and health behaviors.

Currently, my work focuses on using and integrating a wide variety of data sources in my research, spanning both structured and unstructured forms, including national survey datasets, health insurance claims data, patient-generated online text, surgical video, and electronic health records. I investigate outcomes of treatments for glaucoma and cataract, as well as other areas of ophthalmology. My focus is on developing artificial intelligence methods to predict ophthalmology outcomes, and on applying novel methods for automated extraction of ophthalmic data, especially from free text and video.

For more information on our current projects, including recent papers and presentations, feel free to browse our research group website: <https://optima.sites.stanford.edu/>

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Haiwen Gui

Publications

PUBLICATIONS

- **Automated Recognition of Visual Acuity Measurements in Ophthalmology Clinical Notes Using Deep Learning.** *Ophthalmology science*
Bernstein, I. A., Koornwinder, A., Hwang, H. H., Wang, S. Y.
2024; 4 (2): 100371
- **Prediction Models for Glaucoma in a Multicenter Electronic Health Records Consortium: The Sight Outcomes Research Collaborative.** *Ophthalmology science*
Wang, S. Y., Ravindranath, R., Stein, J. D., SOURCE Consortium, Amin, S., Edwards, P. A., Srikumaran, D., Woreta, F., Schultz, J. S., Shrivastava, A., Ahmad, B., Kim, J., Bryar, P., et al
2024; 4 (3): 100445
- **Limitations of Assessing Barriers in Diabetic Retinopathy Screening-Reply.** *JAMA ophthalmology*
Wang, S. Y., Ludwig, C. A., Ravindranath, R.
2024
- **Using Natural Language Processing to Identify Different Lens Pathology in Electronic Health Records.** *American journal of ophthalmology*
Stein, J. D., Zhou, Y., Andrews, C. A., Kim, J. E., Addis, V., Bixler, J., Grove, N., McMillan, B., Munir, S. Z., Pershing, S., Schultz, J. S., Stagg, B. C., Wang, et al
2024
- **Predicting Glaucoma Progression to Surgery with Artificial Intelligence Survival Models.** *Ophthalmology science*
Tao, S., Ravindranath, R., Wang, S. Y.
2023; 3 (4): 100336
- **Social Determinants of Health and Perceived Barriers to Care in Diabetic Retinopathy Screening.** *JAMA ophthalmology*
Ravindranath, R., Bernstein, I. A., Fernandez, K. S., Ludwig, C. A., Wang, S. Y.
2023
- **Impact of Type 2 diabetes mellitus and insulin use on progression to glaucoma surgery in primary open angle glaucoma.** *Eye (London, England)*
Sun, M. T., Pershing, S., Goldberg, J. L., Wang, S. Y.
2023
- **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
- **Comparison of Ophthalmologist and Large Language Model Chatbot Responses to Online Patient Eye Care Questions.** *JAMA network open*
Bernstein, I. A., Zhang, Y. V., Govil, D., Majid, I., Chang, R. T., Sun, Y., Shue, A., Chou, J. C., Schehlein, E., Christopher, K. L., Groth, S. L., Ludwig, C., Wang, et al
2023; 6 (8): e2330320
- **Real-world agreement of same-visit Tono-Pen vs Goldmann applanation intraocular pressure measurements using electronic health records.** *Helicon*
Gui, H., Zhang, Y., Chang, R. T., Wang, S. Y.
2023; 9 (8): e18703
- **Ischemic optic neuropathy with and without optic disc drusen**
Gong, X., Pugazhendhi, S., Zhu, P., Ludwig, C., Wang, S., Liao, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Impact of Metabolic Syndrome on Risk of Incident Primary Open Angle Glaucoma**
Macri, C., Wong, C., Casson, R., Singh, K., Wang, S., Sun, M.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Use of Natural Language Processing to Accurately Identify Cataracts and Other Lens Pathology in Electronic Health Record Data - A Study Using the Sight Outcomes Research Collaborative (SOURCE) Repository**
Stein, J. D., Zhou, Y., Andrews, C. A., Addis, V., Bixler, J., Grove, N., Kim, J. E., McMillian, B., Munir, S., Schultz, J., Stagg, B. C., Wang, S., Woreta, et al

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023

- **Machine learning approaches for predicting glaucoma progression in a large multicenter electronic health records consortium: the Sight Outcomes Research Collaborative (SOURCE)**
Wang, S. Y., Stein, J. D.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Real-World Agreement of Same-Visit Tono-Pen Versus Goldmann Applanation Intraocular Pressure Measurements Using Electronic Health Records at an Academic Medical Center**
Zhang, Y., Gui, H., Chang, R., Wang, S. Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Clinical and Ophthalmic Biomarkers of Diabetes Mellitus: A Longitudinal Study of Visual Outcome**
Huang, F., Yu, M., Huang, L., Zhou, X., Wang, R. K., Leng, T., Wang, S., Liao, Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Seeing What Patients See: Identifying Visual Acuity from Ophthalmology Clinical Notes Using Deep Learning and Natural Language Processing**
Bernstein, I., Koornwinder, A., Hwang, H., Wang, S.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **Predicting near-term glaucoma progression: An artificial intelligence approach using clinical free-text notes and data from electronic health records.** *Frontiers in medicine*
Jalamangala Shivananjaiah, S. K., Kumari, S., Majid, I., Wang, S. Y.
2023; 10: 1157016
- **PhacoTrainer: Deep Learning for Cataract Surgical Videos to Track Surgical Tools.** *Translational vision science & technology*
Yeh, H., Jain, A. M., Fox, O., Sebov, K., Wang, S. Y.
2023; 12 (3): 23
- **Re: Lee et al.: The association among blood pressure, blood pressure medications, and glaucoma in a nationwide electronic health records database (Ophthalmology. 2022;129:276-284.) REPLY** *OPHTHALMOLOGY*
Wang, S., Hu, W., Singh, K.
2023; 130 (2): E5-E6
- **Reply.** *Ophthalmology*
Wang, S. Y., Hu, W., Singh, K.
2022
- **Blood Pressure Measures and Incident Primary Open-Angle Glaucoma.** *Investigative ophthalmology & visual science*
Macri, C., Wong, C. X., Tu, S. J., Casson, R., Singh, K., Wang, S. Y., Sun, M. T.
2022; 63 (13): 3
- **Leveraging weak supervision to perform named entity recognition in electronic health records progress notes to identify the ophthalmology exam.** *International journal of medical informatics*
Wang, S. Y., Huang, J., Hwang, H., Hu, W., Tao, S., Hernandez-Boussard, T.
2022; 167: 104864
- **Real-World Outcomes of Glaucoma Filtration Surgery using Electronic Health Records: An Informatics Study.** *Journal of glaucoma*
Sun, M. T., Singh, K., Wang, S. Y.
2022
- **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
- **Deep Learning Approaches for Predicting Glaucoma Progression Using Electronic Health Records and Natural Language Processing.** *Ophthalmology science*
Wang, S. Y., Tseng, B., Hernandez-Boussard, T.
2022; 2 (2): 100127

- **Explaining Deep Learning Models for Low Vision Prognosis**

Gui, H., Tseng, B., Hu, W., Wang, S. Y.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **PhacoTrainer: Deep Learning for Cataract Surgical Videos to Track Surgical Tools**

Yeh, H., Jain, A. M., Jallow, M., Sebov, K., Wang, S. Y.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Named entity recognition in ophthalmology clinical progress notes: What's in the eye exam?**

Wang, S. Y., Huang, J., Hwang, H., Hu, W., Hernandez-Boussard, T.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Impact of Type 2 Diabetes Mellitus and Insulin Use on Progression to Glaucoma Surgery in Primary Open Angle Glaucoma**

Sun, M. T., Pershing, S., Goldberg, J. L., Wang, S.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Representation of Women in Ophthalmology Subspecialty Societies over 20 OPHTHALMOLOGY**

Azad, A. D., Chandramohan, A., Li, A. S., Rosenblatt, T. R., Reeves, M. R., Veerappan-Pasricha, M., Ludwig, C. A., Nguyen, A., Winges, K. M., Wang, S. Y., Pan, C. K., Moss, H. E., Do, et al

2022; 129 (5): 587-590

- **Changes in glaucoma management following visual field testing and optical coherence tomography. *The British journal of ophthalmology***

Sun, M. T., Singh, K., Wang, S. Y.

2022

- **Outcomes of Primary Trabeculectomy versus Combined Phacoemulsification-Trabeculectomy Using Automated Electronic Health Record Data Extraction. *Current eye research***

Davila, J. R., Singh, K., Hernandez-Boussard, T., Wang, S.

2022: 1-7

- **Predicting Glaucoma Progression Requiring Surgery Using Clinical Free-Text Notes and Transfer Learning With Transformers. *Translational vision science & technology***

Hu, W., Wang, S. Y.

2022; 11 (3): 37

- **Looking for low vision: Predicting visual prognosis by fusing structured and free-text data from electronic health records. *International journal of medical informatics***

Gui, H., Tseng, B., Hu, W., Wang, S. Y.

1800; 159: 104678

- **Representation of Women in Ophthalmology Subspecialty Societies over 20 Years. *Ophthalmology***

Azad, A. D., Chandramohan, A., Li, A. S., Rosenblatt, T. R., Reeves, M. R., Pasricha, M. V., Ludwig, C. A., Nguyen, A., Winges, K. M., Wang, S. Y., Pan, C. K., Moss, H. E., Do, et al

1800

- **The association between blood pressure, blood pressure medications, and glaucoma in a nationwide electronic health records database. *Ophthalmology***

Lee, E. B., Hu, W., Singh, K., Wang, S. Y.

2021

- **Looking for Low Vision: Deep Learning and Natural Language Processing to Predict Visual Prognosis**

Wang, S. Y., Tseng, B.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **PhacoTrainer: Deep Learning for Activity Recognition in Cataract Surgical Videos**

Yeh, H., Jain, A., Fox, O., Wang, S.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **y Predicting High Impact Ophthalmology Articles Using Machine Learning and Natural Language Processing**

Karandikar, Y., Wang, S. Y.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021

- **Rare Complications of Selective Laser Trabeculoplasty - Corneal Edema, Thinning and Hyperopic Shift: Incidences in the Optum Data Set**
Shue, A., Villegas, N. C., Wang, S. Y.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2021
- **Determination of Patient Sentiment and Emotion in Ophthalmology: Infoveillance Tutorial on Web-Based Health Forum Discussions.** *Journal of medical Internet research*
Nguyen, A. X., Trinh, X., Wang, S. Y., Wu, A. Y.
2021; 23 (5): e20803
- **Development and evaluation of novel ophthalmology domain-specific neural word embeddings to predict visual prognosis.** *International journal of medical informatics*
Wang, S., Tseng, B., Hernandez-Boussard, T.
2021; 150: 104464
- **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
- **PhacoTrainer: A Multicenter Study of Deep Learning for Activity Recognition in Cataract Surgical Videos.** *Translational vision science & technology*
Yeh, H. H., Jain, A. M., Fox, O., Wang, S. Y.
2021; 10 (13): 23
- **Interpreting Deep Learning Studies in Glaucoma: Unresolved Challenges.** *Asia-Pacific journal of ophthalmology (Philadelphia, Pa.)*
Lee, E. B., Wang, S. Y., Chang, R. T.
2021; 10 (3): 261-267
- **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
- **Association of ocular antihypertensive medications and the development and progression of age-related macular degeneration in a U.S. insurance claims database.** *Current eye research*
Eton, E. A., Wubben, T. J., Besirli, C. G., Wang, S. Y.
2020
- **Sustaining Independent Careers in Vision Research: Demographics and Success in Second R01 Attainment Among Clinician-Scientists from 1985 to 2019** *TRANSLATIONAL VISION SCIENCE & TECHNOLOGY*
Liu, E. A., Wang, S. Y., Rao, R. C.
2020; 9 (12)
- **Sustaining Independent Careers in Vision Research: Demographics and Success in Second R01 Attainment Among Clinician-Scientists from 1985 to 2019.** *Translational vision science & technology*
Liu, E. A., Wang, S. Y., Rao, R. C.
2020; 9 (12): 32
- **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
- **Informatics for Investigation of Glaucoma Filtration Surgery Outcomes Using Electronic Health Records**
Wang, S. Y., Singh, K.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020
- **Characterization of 'Early Established' Clinician-Scientist Cohorts in Ophthalmology: Success Rates for 2nd R01 Grant Awards**
Rao, R. C., Liu, E., Wang, S. Y.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2020

● **Management of the glaucoma patient progressing at low normal intraocular pressure.** *Current opinion in ophthalmology*

Wang, S. Y., Singh, K.
2019

● **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

● **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

● **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

● **Ocular Antihypertensive Medication Use After iStent Implantation Concurrent With Cataract Surgery vs Cataract Surgery Alone in a Large US Health Care Claims Database.** *JAMA ophthalmology*

Wang, S. Y., Singh, K., Stein, J. D., Chang, R. T.
2018

● **Reduction of Ocular Antihypertensive Medication Use After iStent Implantation in a Large US Managed Care Network**

Wang, S., Chang, R.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

● **Utilization of Ophthalmologist Consultation for Emergency Care at a University Hospital** *JAMA OPHTHALMOLOGY*

Wang, S. Y., Hamid, M. S., Musch, D. C., Woodward, M. A.
2018; 136 (4): 428–31

● **Ophthalmic Screening Patterns Among Youths With Diabetes Enrolled in a Large US Managed Care Network** *JAMA OPHTHALMOLOGY*

Wang, S. Y., Andrews, C. A., Gardner, T. W., Wood, M., Singer, K., Stein, J. D.
2017; 135 (5): 432-438

● **Patient-centered and visual quality outcomes of premium cataract surgery: a systematic review.** *European journal of ophthalmology*

Wang, S. Y., Stem, M. S., Oren, G., Shtein, R., Lichter, P. R.
2017: 0-?

● **Incidence and Risk Factors for Developing Diabetic Retinopathy among Youths with Type 1 or Type 2 Diabetes throughout the United States.** *Ophthalmology*

Wang, S. Y., Andrews, C. A., Herman, W. H., Gardner, T. W., Stein, J. D.
2017; 124 (4): 424-430

● **Patient Attitudes Toward Telemedicine for Diabetic Retinopathy.** *Telemedicine journal and e-health*

Valikodath, N. G., Leveque, T. K., Wang, S. Y., Lee, P. P., Newman-Casey, P. A., Hansen, S. O., Woodward, M. A.
2017; 23 (3): 205-212

● **The relation between exercise and glaucoma in a South Korean population-based sample** *PLOS ONE*

Lin, S., Wang, S. Y., Pasquale, L. R., Singh, K., Lin, S. C.
2017; 12 (2)

● **Fungal Endophthalmitis Associated With DSAEK and Thermal Sclerostomy** *OPHTHALMIC SURGERY LASERS & IMAGING RETINA*

Wang, S. Y., Ghodasra, D. H., Amin, S. R., Mian, S. I., Jayasundera, K. T.
2016; 47 (7): 691-693

● **Oral Contraceptive Use and Prevalence of Self-Reported Glaucoma or Ocular Hypertension in the United States** *OPHTHALMOLOGY*

Wang, Y. E., Kakigi, C., Barbosa, D., Porco, T., Chen, R., Wang, S., Li, Y., Singh, K., Pasquale, L. R., Lin, S. C.
2016; 123 (4): 729-736

- **Oral Contraceptive Use and Prevalence of Self-Reported Glaucoma or Ocular Hypertension in the United States.** *Ophthalmology*
Wang, Y. E., Kakigi, C., Barbosa, D., Porco, T., Chen, R., Wang, S., Li, Y., Singh, K., Pasquale, L. R., Lin, S. C.
2016; 123 (4): 729-36
- **Hospitalization after Cataract Surgery in a Nationwide Managed-Care Population** *PLOS ONE*
Wang, S. Y., Blachley, T. S., Andrews, C. A., Ayanian, J. Z., Lee, P. P., Stein, J. D.
2016; 11 (2)
- **Hypothyroidism and Glaucoma in The United States** *PLOS ONE*
Kakigi, C., Kasuga, T., Wang, S. Y., Singh, K., Hiratsuka, Y., Murakami, A., Lin, S. C.
2015; 10 (7)
- **Self-reported Calcium Supplementation and Age-Related Macular Degeneration** *JAMA OPHTHALMOLOGY*
Kakigi, C. L., Singh, K., Wang, S. Y., Enanoria, W. T., Lin, S. C.
2015; 133 (7): 746-754
- **The Impact of Central Corneal Thickness on the Risk for Glaucoma in a Large Multiethnic Population** *JOURNAL OF GLAUCOMA*
Wang, S. Y., Melles, R., Lin, S. C.
2014; 23 (9): 606-612
- **Association Between Serum Ferritin and Glaucoma in the South Korean Population** *JAMA OPHTHALMOLOGY*
Lin, S., Wang, S. Y., Yoo, C., Singh, K., Lin, S. C.
2014; 132 (12): 1414-1420
- **Racial Disparities in Uncorrected and Undercorrected Refractive Error in the United States** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
Qiu, M., Wang, S. Y., Singh, K., Lin, S. C.
2014; 55 (10)
- **Intraocular pressure reduction after cataract extraction in normal eyes: Influence of ethnicity and anterior segment parameters - response** *CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY*
Lee, R. Y., Kasuga, T., Cui, Q. N., Huang, G., Wang, S. Y., Lin, S. C.
2014; 42 (5): 508-508
- **Age-related macular degeneration and protective effect of HMG Co-A reductase inhibitors (statins): results from the National Health and Nutrition Examination Survey 2005-2008** *EYE*
Barbosa, D. T., Mendes, T. S., Cintron-Colon, H. R., Wang, S. Y., Bhisitkul, R. B., Singh, K., Lin, S. C.
2014; 28 (4): 472-480
- **Association between Visual Field Defects and Quality of Life in the United States.** *Ophthalmology*
Qiu, M., Wang, S. Y., Singh, K., Lin, S. C.
2014; 121 (3): 733-740
- **Glaucoma Prevalence and the Intake of Iron and Calcium in a Population-based Study** *CURRENT EYE RESEARCH*
Wang, S. Y., Singh, K., Lin, S. C.
2013; 38 (10): 1049-1056
- **Ethnic differences in intraocular pressure reduction and changes in anterior segment biometric parameters following cataract surgery by phacoemulsification** *CLINICAL AND EXPERIMENTAL OPHTHALMOLOGY*
Lee, R. Y., Kasuga, T., Cui, Q. N., Huang, G., Wang, S. Y., Lin, S. C.
2013; 41 (5): 442-449
- **Glaucoma and vitamins A, C, and E supplement intake and serum levels in a population-based sample of the United States** *EYE*
Wang, S. Y., Singh, K., Lin, S. C.
2013; 27 (4): 487-494
- **Association between Myopia and Glaucoma in the United States Population** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*
Qiu, M., Wang, S. Y., Singh, K., Lin, S. C.
2013; 54 (1): 830-835
- **Prevalence and Predictors of Depression Among Participants With Glaucoma in a Nationally Representative Population Sample** *AMERICAN JOURNAL OF OPHTHALMOLOGY*

Wang, S. Y., Singh, K., Lin, S. C.

2012; 154 (3): 436-444

- **The Association between Glaucoma Prevalence and Supplementation with the Oxidants Calcium and Iron** *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*

Wang, S. Y., Singh, K., Lin, S. C.

2012; 53 (2): 725-731

- **Asian Americans and Obesity in California: A Protective Effect of Biculturalism** *JOURNAL OF IMMIGRANT AND MINORITY HEALTH*

Wang, S., Quan, J., Kanaya, A. M., Fernandez, A.

2011; 13 (2): 276-283

- **Rapid deletional peripheral CD8 T cell tolerance induced by allogeneic bone marrow: Role of donor class II MHC and B cells** *JOURNAL OF IMMUNOLOGY*

Fehr, T., Wang, S., Haspot, F., Kurtz, J., Blaha, P., Hogan, T., Chittenden, M., Wekerle, T., Sykes, M.

2008; 181 (6): 4371-4380

- **Protection against lethal *Aspergillus fumigatus* infection in mice by allogeneic myeloid progenitors is not major histocompatibility complex restricted** *45th Annual Meeting and Exhibition of the American Society of Hematology*

Arber, C., Bitmansour, A., Shashidhar, S., Wang, S., Tseng, B., Brown, J. M.

UNIV CHICAGO PRESS.2005: 1666-71