The 29th Annual IEEI Glaucoma Symposium

**May 14, 2021** 8:30am - 12:50pm CDT

Illinois Eye and Ear Infirmary

## Samuel Schoenberg, JD Lecture

"The Mysteries of Physician Payment and Advocacy"

*Presented by*

**Cynthia Mattox, MD, FACS**
Associate Professor of Ophthalmology
Tufts University School of Medicine
Boston, MA

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Dr. Mattox recently retired after 25 years of teaching and maintaining a busy referral surgical practice in the Department of Ophthalmology at Tufts University School of Medicine in Boston, Massachusetts, where she was the Director of the Glaucoma and Cataract Service of New England Eye Center.

Dr. Mattox is actively involved with the American Academy of Ophthalmology (AAO), completing her term as a Trustee-at-Large in 2019. She is chair of the Intelligent Research in Sight (IRIS™) Measure Development Task Force, and a member of the IRIS Executive Committee, and the Analytics Committee. She is a past Associate Secretary for the Annual Meeting and has been a member of the AAO's Health Policy Committee for 15 years. She also served as the President of the American Glaucoma Society (AGS) from 2017-2018, and has held numerous leadership positions in the AGS.

In 2014, Dr. Mattox was nominated by the American Glaucoma Society and Women in Ophthalmology to receive the AAO's Outstanding Advocate Award. She has energetically advocated on behalf of all patients for safety initiatives, better access, and better care at both the state and national levels.

Dr. Mattox received the Tufts Resident Teaching Award three times, the President's Award from the AGS, and in addition to AAO's Outstanding Advocate Award, she has received four Secretariat Awards, and the Senior Achievement Award. Dr. Mattox has been an invited lecturer at a great number meetings, and is the author of numerous book chapters. She is also involved in clinical research. Dr. Mattox now lives in Maui, Hawaii.

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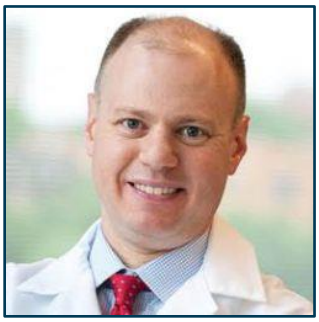
## Jacob T. Wilensky, MD Lecture



"The Future of Big Data in Ophthalmology”

*Presented by*

**Joshua D. Stein, MD, MS**
Edward T. and Ellen K. Dryer Career Development Professor in Ophthalmology and Visual Sciences
Associate Professor, Ophthalmology and Visual Sciences, University of Michigan

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Dr. Stein is a glaucoma specialist with expertise in research using large data sets to understand important associations with ocular diseases, and to study the economics of eye care. He has more than 16 years of clinical experience caring for patients with different types and severities of ocular disease. His background includes Master’s degrees in Evaluative Clinical Sciences, and Health Care Research. He has worked extensively with various sources of “Big Data” in ophthalmology, including large health care claims databases (e.g. Medicare, Medicaid, OptumInsight) and more recently electronic health record (EHR) databases. Over the years, he has published several dozen papers on an array of different topics involving Big Data, such as the utilization of eye-care services for patients with chronic ocular diseases; racial and other disparities in eye care; associations between systemic conditions or medication use and chronic ocular diseases; adverse events following ocular surgery; and prediction models to help identify patients with increased likelihood of experiencing disease progression. Dr. Stein has found ways to maximize the use of these Big Data sources to answer important and timely questions. He has been developing and growing the Sight Outcomes Research Collaborative (SOURCE) repository, a powerful tool that researchers can tap into to study patients with ocular diseases.

Dr. Stein and his team have devised ways of extracting EHR data from EPIC Clarity, “cleaning” and de-identifying the data, and making it linkable to ocular diagnostic test data (e.g., OCT, HVF, biometry) and nonclinical data. He is now collaborating with colleagues at more than one dozen academic ophthalmology departments across the country to assist them with extracting their data in the same format and sending it to the University of Michigan, so that a pool of the data can be established and made accessible to researchers at all of the participating centers for important research and quality-improvement studies.