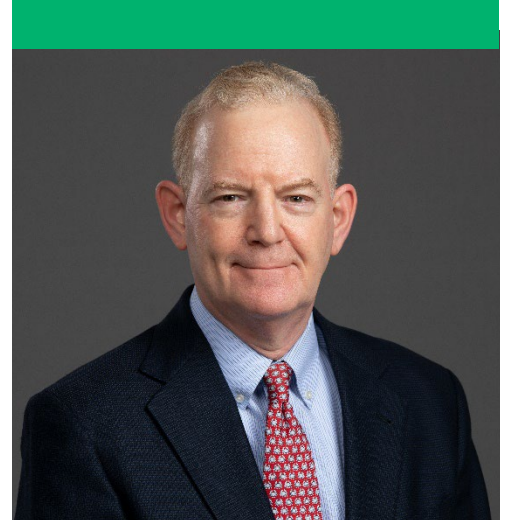


Jonathan B. Rubenstein, MD

The Deutsch Family Professor of Ophthalmology



Advancement of Medicine

In 2023, I continued to oversee the academic direction, educational experiences and research endeavors of the Department of Ophthalmology at Rush University Medical Center. Our research portfolio has grown over the past year. We are beginning a quarterly Continuing Medical Education, or CME, program as an educational endeavor to teach ophthalmology to our community-based ophthalmologists both in Chicago and nationally. I have continued to teach, give lectures and present papers at the major national and international meetings in ophthalmology including, over the past year, the American Academy of Ophthalmology, the American Society of Cataract and Refractive Surgery, and multiple courses geared towards resident education.

Research

Our research efforts are focused in the following three major areas:

- The study of new therapeutics addressing key causes of vision loss including age-related macular degeneration, diabetic retinopathy, ocular inflammation (uveitis), vitreomacular traction, retinopathy of prematurity, keratoconus and the ocular complications of AIDS.
- The development and evaluation of new surgical approaches and devices for age-related macular degeneration including implantable drug reservoirs, stem cell implantation and the implantable miniature telescope.
- The testing of new ocular imaging technologies.

Your generosity helped with medical student, resident, and fellow-directed research projects and activities in addition to educational activities both at Rush and in the greater Chicago area. Also, your



support enabled my scholarly activities over the past year, disseminating our research and increasing the international reputation of Rush's Department of Ophthalmology.

Clinical Trials

We are currently involved in 20 local and multi-center national clinical trials, especially in the study of macular degeneration. We are also studying the effects of herpes zoster on the eye.

Presentations, Labs and Courses

- Panelist, Association of University Professors in Ophthalmology (AUPO) Annual Meeting. January 27, 2023.
- CSE second-year resident course in cataract education, "Management of astigmatism in cataract surgery," February 25, 2023.
- American Society of Cataract and Refractive Surgery (ASCRS), May 5-7, 2023:
 - "Cataract extraction/IOL under a PK – Complex Surgical Cornea Cases,"
 - "Corneal Suturing Techniques,"
 - "Surgical Management of Astigmatism,"
- Association of Surgical Technology Annual Conference, "Update on Corneal Transplantation," May 25, 2023.
- The International Society of Cornea, Stem Cells and Ocular Surface Annual Meeting, "Common Mistakes in Ocular Surface Tumor Management," July 1, 2023.
- CSE second-year resident education courses: "Pearls for the standard cataract surgery technique," and "Management of the brunescant cataract," September 22, 2023.
- American Academy of Ophthalmology annual meeting, November 5-6, 2023:
 - "Advanced Phacoemulsification Lab,"
 - "Assessment and Management of Astigmatism in Cataract Surgery,"
 - "Limbal Relaxing Incisions in the Management of Astigmatism,"
 - "Microsurgical Suturing Techniques."

The Year Ahead: 2024 and Beyond

We plan to launch a recurring two-year CME curriculum in ophthalmology. We will host quarterly meetings over a two-year cycle. Each of these meetings will focus on a subspecialty within



ophthalmology, such as cornea, retina, glaucoma, etc. We also plan to deploy your funds to help support a build-out of my simulation lab for ophthalmic surgery at Rush. This will occur in the existing Rush Simulation Lab. We hope to not only use this simulation lab to teach our residents and medical students, but to host courses for other trainees and practitioners across the Chicago region.

With Gratitude

I am tremendously grateful for your support. Your generosity has helped to promote the academic mission of the Department of Ophthalmology primarily in education, research and state-of-the-art clinical practice. I want to personally thank everyone who bolsters this endowment for your support of scholarly activities within the department.