

2023 Annual Meeting Abstracts

Updated: 7/10/2023

As a reminder . . . New Club members are expected to give a talk at one of their first two annual meetings!

[View](#) the abstracts submitted so far

[Overview Schedule](#) for the week

View the **Detailed Schedule** for general sessions -- *will be added later*

[Submit an Abstract](#) (electronic form)

Deadline to submit is June 2nd.

Lectures typically are 15 minutes each -- 7 minutes for the talk and 7 minutes for discussion.

[CLICK HERE](#) to download and submit the CME conflict of interest form (PDF file)

Email to: Rich@RichardPaulAssociates.com or fax to: 847-680-1682

Please note . . . ALL speakers giving a talk that will receive CME credit must submit the conflict of interest disclosure. We greatly appreciate receiving these forms AT THE SAME TIME as your abstract submission. Please complete both pages and return to the AESC office.

[Go back](#) to the main meeting page

Named Lectures



34th Ruedemann Lecture

[Ann Acers Warn, MD MBA](#)

Dean A. McGee Eye Institute
Lawton, OK



19th Jerry & Donna Knauer AESC Foundation Lecture

[David C. Herman, MD](#)

Chief Executive Officer

Essentia Health
502 East Second Street, Duluth, MN



Special OMIC Presentation

We are offering an [OMIC Risk Management Presentation](#) which will qualify members who are insured by OMIC for the full 10% premium discount. Dr. Bob Gold will be giving this lecture during a special breakfast session -- day to be announced.

General Session Program

Typical Format for Talks -- We generally organized the talks into 15-minute segments with 7 minutes for a lecture and 7 minutes for discussion and questions. This is a great time to try out new ideas or concepts, or to seek observations and reactions from your fellow Club members. The AESC meeting is *not* the place for a usual "canned" lecture! If you have an idea for a mini-symposium or a panel discussion, we certainly can devote an entire segment to that.

The following abstracts have been submitted for the summer 2023 AESC meeting. Abstracts will be posted here as they are submitted.

Check the bottom of the page to see when this information was last updated.

+ = New member, first meeting

Sample Name -- "How to Offer X-Ray Vision to your Patients"

- *Summary:* A multi-year study of the effects of x-ray vision will be presented.
- *Educational objectives:* Describe the benefits and risks resulting from adding x-ray vision for patients, as well as new technologies available to the ophthalmologist.

- *Schedule Restrictions:* ☐☐ None
- *Conflict of interest disclosure received:* YES

Submitted Talks

Allison Babiuch ☐ -- "Cursed by Lightning"

- *Summary:* An interesting case of ocular pathology in a child struck by lightning in El Salvador. A patient treated during a strabismus surgery mission trip in El Salvador. A 9-year-old boy ostracized by his community after surviving a lightning strike and developing an abducens palsy, optic atrophy, and retinal pigment epithelial changes.
- *Educational objectives:* Novel combination of ocular injuries from lightning strike not previously documented in literature.

- *Schedule Restrictions:* ☐☐ None
- *Conflict of interest disclosure received:* Yes

Keith Baratz ☐ -- "The wacky world of viral keratitis"

- *Summary:* Purpose: to discuss uncommon causes and atypical presentations of viral keratitis. Herpes simplex and Herpes zoster are common causes of viral eye disease. The characteristic presentation of keratitis due to these viruses allows easy diagnosis and formulation of straight-forward treatment care plans. However, atypical presentations of these viruses and rarer causes of viral keratitis create challenges in diagnosis and treatment. This case-based presentation will highlight atypical cases and discuss approaches to management. We will also discuss Cytomegalovirus and Epstein Barr virus as rare causes of keratitis. Recommendations will be given regarding the utility of viral anti-body serology and PCR testing of the ocular surface and aqueous humor.
- *Educational objectives:* This talk will familiarize the audience with atypical presentation of viral keratitis and rare causes of viral keratitis so that the listener will be able to formulate diagnostic and therapeutic strategies in these challenging conditions.

- *Schedule Restrictions:* ☐☐ Not on Thursday
- *Conflict of interest disclosure received:*

Rob Beardsley ☐ -- "Intravitreals 101: Notes from an Injection Jockey"

- *Summary:* IVA, IVB, IVL, IVC, IVBy, IVE, IVV, IVSy, IVMa, IVAbx, IVTri, IVOz, IVY, IVI, IVGas, IVDex, and IVMTX are the most commonly injected intravitreal drugs today with multiple more on the way. Some are FDA approved; many are not. Some are easily administered; some

are not. Some cost more than a week at Wild Dunes; some cost less than lunch. And the burdens of step therapy and insurance always must be considered. But the underlying question always remains, are these drugs worth it? This will be a summary of the drugs administered, their indications, relative utility, and the burdens of administering them typical to a private retina practitioner.

- *Educational objectives:* To educate on the commonly administered intravitreal injections and their utility, reimbursement burdens, and ethical challenges encountered on a daily basis.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Jesse Berry -- "yeah yeah retinoblastoma liquid biopsy lady. Do you have anything else for us?: Aqueous humor proteome predicts metastatic potential in uveal melanoma"

- *Summary:* **Purpose:** Gene expression profiling (GEP) is clinically validated to stratify risk of metastasis by assigning uveal melanoma (UM) patients to two highly prognostic molecular classes: class 1 (low metastatic risk) and class 2 (high metastatic risk). However, GEP requires intraocular tumor biopsy which is limited by small tumor size and tumor heterogeneity; furthermore, there are risks of retinal hemorrhage, detachment, or tumor dissemination. Thus, ocular liquid biopsy has emerged as a less invasive alternative. In this study, we seek to determine the aqueous humor (AH) proteome related to the advanced GEP class 2 using an AH liquid biopsy specimens.

Method: Twenty UM treatment naive AH were collected before plaque brachytherapy. Patients were sub-grouped by GEP classes into GEP 1 (n=12) and GEP 2 (n=5). Three patients were classified as GEP unknown (GEP NA, n=3) due to unavailability of tumor biopsy. Ten microliters of AH were analyzed by a multiplexed Olink platform. Protein expression levels of 1472 targets were analyzed, compared between GEP classes and correlated with clinical features. Significant differentially expressed proteins (DEPs, fold-change (FC) > 2 or FC < 0.5, P < 0.01) were subjected to Qiagen ingenuity pathway analysis for cellular pathway identification.

Results

: 45 DEPs were identified when comparing GEP classes. Among them, 31 are up-regulated DEPs [fold-change (FC) >2, P < 0.01] and 14 are down-regulated DEPs (FC < 0.5, P < 0.01) in GEP 2 compared to GEP1. Unsupervised clustering analysis showed 45 DEPs well-differentiate AH samples by GEP classes, and the 3 GEP NA samples were clustered with GEP1 class. Pathway analysis showed contribution to metastatic-related pathways including cellular proliferation and epithelial to mesenchymal transition. Two upstream regulators, IL1 receptor and SPRY2, were predicted to regulate 8 out of the 45 DEPs. IL1R2 (FC = 3.4, P = 0.021) and SPRY2 (FC = 0.6, P = 0.052).

Conclusions:

45 AH DEPs could differentiate GEP class 1 and 2 at the diagnostic stage and could be detected even when the tumor was too small to biopsy. AH liquid biopsy offers a new opportunity to determine metastatic potential for patients in the absence of tumor biopsy.

- *Educational objectives:* prognostication in uveal melanoma currently requires invasive tissue biopsy which cannot always be done based on the size and location of the tumor. This liquid biopsy approach demonstrates feasibility without need for tissue biopsy.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Paul Chan -- "Opportunities and Challenges for Artificial Intelligence Implementation in Ophthalmology"

- *Summary:* I will discuss current practices in AI implementation in the US and internationally. Specifically, this will include the use of AI for Diabetic Retinopathy Screening and pediatric retinal disease.
- *Educational objectives:* There is currently a gap in knowledge regarding AI implementation. This talk will address the needs for this discussion.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

+ Chen, John -- "Visual Outcome Following Plasma Exchange for Optic Neuritis"

- *Summary:* To evaluate the effectiveness of plasma exchange (PLEX) for optic neuritis (ON). Methods: We conducted an international multicenter retrospective study evaluating the outcomes of ON following PLEX. Outcomes were compared to raw data from the Optic Neuritis Treatment Trial (ONTT) using a matched subset. Results: A total of 395 ON attack treated with PLEX from 317 patients were evaluated. The median age was 37 years (range 9 to 75) and 71% were female. Causes of ON included: multiple sclerosis (108), myelin-oligodendrocyte-glycoprotein-antibody-associated-disease (MOGAD) (92), aquaporin-4-IgG-positive-neuromyelitis-optica-spectrum-disorder (AQP4+NMOSD) (75), seronegative-NMOSD (34), idiopathic (83), and other (3). Median time from onset of vision loss to PLEX was 2.6 weeks (IQR, 1.4-4.0). Median visual acuity (VA) at time of PLEX was count fingers (IQR, 20/200-hand motion) and median final VA was 20/25 (IQR, 20/20-20/60) with no differences among etiologies except MOGAD-ON which had better outcomes. In 81 (20.5%) ON attacks, the final VA was 20/200 or worse. Patients with poor outcomes were older ($p=0.002$), had worse VA at time of PLEX ($p<0.001$), and longer delay to PLEX ($p<0.001$). In comparison with the ONTT subset with severe corticosteroid-unresponsive ON, a final VA of worse than 20/40 occurred in 6/50 (12%) PLEX-treated ON versus 6/18 (33%) from the ONTT treated with intravenous methylprednisolone without PLEX ($p=0.04$). Conclusion: Most ON attacks improved with PLEX, and outcomes were better than attacks with similar severity in the ONTT. The presence of severe vision loss at nadir, older age, and longer delay to PLEX predicted a worse outcome while MOGAD-ON had a more favorable prognosis.
- *Educational objectives:* The effectiveness of plasma exchange for optic neuritis is still unclear.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Steven M. Couch -- "Special Circumstances in Corneal Neurotization"

- *Summary:* Corneal neurotization is a newer popularized surgical procedure for the treatment of neurotrophic keratopathy which can be caused by genetic diseases, infections, trauma and surgery. There are wide variations in the surgical planning regarding donor nerve choice and nerve grafting choice. I would like the opportunity to discuss unique cases we have done that have required different nerve donor site and graft choices along with their outcomes.

- *Educational objectives:* Knowledge of the choices for nerve grafting and donor sites for coaptation.

- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:*

Matthew A. Cunningham -- "Scleral-fixated intraocular lens with Gortex-suture: Our experience at a single vitreoretinal practice"

- *Summary:* This presentation reviews results from a retrospective, interventional case series of consecutive patients undergoing small gauge PPV and scleral-fixation of the Akreos AO60 IOLs for subluxated or dislocated IOLs, or aphakia, from January 2018 to December 2021 at a high-volume vitreoretinal surgical practice. The preoperative visual acuity, complication rates, and visual outcome following surgery were evaluated. A total of 175 eyes in 168 patients underwent scleral-fixation of the Akreos AO60 intraocular lens; 7 (4.2%) patients had procedure performed in both eyes. The mean preoperative visual acuity (VA) was 1.41 ± 0.88 logMAR units (~20/538 Snellen Equivalent) and improved to 0.57 ± 0.67 logMAR units (~20/75 Snellen Equivalent, Z-score, $p=0.17$) at the last follow-up. Follow-up after surgery was 14.2 ± 9.5 months. Sixty-two eyes (35.4%) had history of previous vitrectomy surgery. Seventy-five percent of eyes had improvement in VA at the final postoperative visit, with a VA of 20/40 or better achieved in 53% of cases. The complication rate of cystoid macular edema was 28.6%, and transient elevated intraocular pressure was seen in 32%. There were rare cases of delayed panuveitis that require further investigation..

- *Educational objectives:* The use of scleral-fixated Akreos lenses with gortex suture is increasing and this lecture and patient series will increase the knowledge base of the audience.

- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:* Yes

George S. Ellis Jr. -- "A Novel Fixation for Bicanalicular Crawford Tubes"

- *Summary:* A novel technique that reduces the need for removal in the office by 30%, has a low failure rate and a low rate of operating room removal is describe. The authors experience with the technique is presented from a retrospective series.

- *Educational objectives:* Most eye surgeons who use Crawford tubes for Nasal Lachrymal Duct obstruction have moved away from the bicanalicular Crawford tube because of difficulty with removal.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:* Yes

Robert Fish ☐ -- "Strategies for successful adoption of DMEK"

- *Summary:* Corneal endothelial cell transplantation techniques have continued to evolve over the 21st century. Descemet's membrane endothelial keratoplasty (DMEK) reflects one of these innovations but presents several hurdles to the new adopter. This presentation aims to familiarize the audience with several ways to soften the learning curve and hopefully present a path toward successful implementation into their practice as appropriate.
- *Educational objectives:* This presentation aims to present feasible ways to incorporate DMEK into their surgical practice.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Benjamin Frankfort ☐ -- "Serotonin level - an unrecognized glaucoma risk factor?"

- *Summary:* Glaucoma is a complex disease with many causes. While only one modifiable risk factor has been identified, intraocular pressure, many others are known to (or presumed to) exist. In this talk, I will review the clinical evidence that systemic serotonin level impacts glaucoma outcomes. With this framework established, I will describe seminal experiments from my laboratory to uncover the mechanism of serotonin activity in the retina, retina ganglion cells, and experimental glaucoma.
- *Educational objectives:* This lecture will help provide a wider understanding of state of the art approaches to glaucoma research with direct clinical application.

- *Schedule Restrictions:* ☐ ☐ Not Wednesday or Thursday
- *Conflict of interest disclosure received:*

Annette L. Giangiacomo ☐ -- "Glaucoma in the littlest of littles"

- *Summary:* Review several cases of glaucoma in NICU babies with ROP
- *Educational objectives:* Open discussion about the cause of glaucoma in small babies with ROP

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Sidney K. Gicheru ☐ -- "Private Equity and Ophthalmology Advocacy"

- *Summary:* Private equity is having an increasingly negative effect on Ophthalmology advocacy. The reason is many PE owned Ophthalmology practices are obstructing or refusing Ophthalmologists to contribute or participate in advocacy. We will evaluate the problem and

propose remedies.

- *Educational objectives:* Young ophthalmologists seeking employment in PE owned practices and practice owners seeking to sell their practice should be aware of this problem.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Robert S. Gold -- "OMIC Presentation: Mitigating the Risk of Endophthalmitis Claims"

- *Summary:* Endophthalmitis can lead to a devastating outcome to vision if not diagnosed and treated in a timely fashion. It occurs most commonly after cataract surgery or intravitreal injections but also has had a recent uptick after strabismus surgery in children. This presentation will focus on informed consent, postoperative concerns, medical record documentation, and applying risk management strategies to prevent the chances of a claim or mitigate the damage.

- *Educational objectives:* To stress the need for a procedure specific informed consent including patient specific risks, clear postoperative instructions, and protocols to respond and document patient postoperative issues.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Raj Goyal -- "Ophthalmology and Global Health"

- *Summary:* TBD

- *Educational objectives:* TBD.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Curtis Hagedorn -- "The Wonder of the Amniotic Membrane and Its Surgical Utility in Complex Macular Holes"

- *Summary:* Human amniotic membrane has been used in a variety of damaged tissue diseases with quite excellent results. It has been used for years to promote healing in ocular surface disorders and surgeries, and recently has shown promise as an intraocular tool in repair of complex macular holes. Images and video will be used to present a patient case using a human amniotic membrane patch graft after multiple failed surgeries for a large macular hole causing retinal detachment.

- *Educational objectives:* ☐ Many different approaches have been taken in repair of complex macular holes, this talk will introduce the audience to the human amniotic membrane patch graft as a promising new treatment for this condition .

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

P. Lloyd Hildebrand -- "Creating an Academic Eye Institute"

- *Summary:* Nevada is the most populous state without an academic ophthalmology program. The University of Nevada Las Vegas (UNLV) established a new medical school five years ago, and recently graduated its second class. The State has a paucity of graduate medical education programs overall and there is a coordinated effort to expand residency programs. The need for ophthalmologists is great: Las Vegas is one of the fastest growing cities in the US and the State overall has about half the national average of ophthalmologists to population. The nearest academic eye institute is a four hour drive (Los Angeles). A group of community ophthalmologists have proposed a public-private-partnership project to create an academic eye institute affiliated with UNLV. A feasibility study has been completed, a comprehensive plan has been created and early stages of fundraising have been launched. The challenge and opportunities of building a new program will be presented in the context of the Mission, Vision and strategies to execute a plan that leverages the strengths of the environment and addresses the significant challenges it presents
- *Educational objectives:* To understand the requirements of creating an academic eye institute.

- *Schedule Restrictions:* None

- *Conflict of interest disclosure received:*

Glen G. Hoar -- "An interesting orbit case"

- *Summary:* 49 yo male with an inflammatory orbitopathy requiring enucleation; diagnosis and pathology.
- *Educational objectives:* Rare (novel) cause of inflammatory orbitopathy from a not uncommon presentation
- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:* Yes

Krishna S. Kishor -- "Incidence of Acute Cystoid Macular Edema After Starting a Topical Prostaglandin Analog Compared With other Classes of Topical Glaucoma Medications"

- *Summary:* Prostaglandin analogs (PGA) are first line medical therapy for glaucoma. However, some clinicians are hesitant to prescribe these medications due to concerns about cystoid macular edema (CME). To our knowledge, there has been no large-scale study directly comparing the risk of CME for patients who are newly started on treatment with a PGA versus other glaucoma medications. Understanding and quantifying the increased risk associated with use of these agents may help clinicians and patients make more informed decisions. This study seeks to evaluate the incidence and possible risk factors for acute CME in the first 4 to 12

weeks after starting a topical PGA versus a topical beta blocker (BB).

- *Educational objectives:* Different classes of topical medications can potentially cause cystoid macular edema not just prostaglandin analogs(PGA).

- *Schedule Restrictions:* Need to speak on Monday; will be absent Tuesday-Thursday
- *Conflict of interest disclosure received:*

Shree K. Kurup -- "Macula Holes and Posterior Uveitis"

- *Summary:* Macular holes in a uveitis patient presents a formidable challenge :timing ,activation of uveitis, technique and appropriate therapeutic interventions. This presentation will highlight successful approaches to this problem

- *Educational objectives:* Literature is sparse on macular surgery in uveitis and this is relevant to any ophthalmologist in terms of therapy or referral

- *Schedule Restrictions:* Need to speak on Thursday (arriving Wed., 7/26)
- *Conflict of interest disclosure received:*

Scott D. Lawrence -- "Glaucoma in Sub-Saharan Africa: Clinical Characteristics and Stage at Presentation"

- *Summary:* Glaucoma is an important cause of blindness and visual impairment in Sub-Saharan Africa (SSA). To date, many individual studies and reports have suggested variability in clinical presentation and severity (stage) different populations in Africa. I will be presenting results from a multicenter, cross-sectional study that included sites in Ethiopia as well as other centers throughout SSA. These results suggest a customized approach to addressing glaucoma in specific populations with relevance to our practice in the United States as well.

- *Educational objectives:* This presentation highlights some of the variability in disease severity and clinical presentation in different African population, information which could help ophthalmologists tailor both screening and treatment approaches.

- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:*

Gary J. Lelli -- "Changes in Medicare Spending and Utilization after Private Equity Acquisition of Ophthalmic Practices"

- *Summary:* Data on Medicare spending before and after PE acquisition was compared to non-PE ophthalmic practices to determine the differences in utilization and spending after acquisition.

- *Educational objectives:* Healthcare utilization after PE acquisition will be reviewed.

- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:*

Ann-Marie Lobo-Chan -- "Challenging cases in uveitis (or why I have insomnia)"

- *Summary:* Diagnostic and management challenges in uveitis, including patients requiring multidisciplinary approaches will be discussed. Several cases of complex posterior and panuveitis will be presented. A review of recent literature on diagnostic and therapeutic management options for uveitis will be discussed.
- *Educational objectives:* This talk will educate ophthalmologists on a diverse array of clinical presentations and techniques of diagnosis and management of uveitis patients.
- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:*

+Caesar Kyle Luo -- "Getting Swole with Central Serous Chorioretinopathy: A Potential Novel Association with Preworkout Supplement"

- *Summary:* This presentation discusses a potential novel association of preworkout supplementation with central serous chorioretinopathy in patients without a known exposure to steroid. Preworkout supplements contain multiple vasodilatory ingredients to assist with muscle growth and may increase choroidal congestion and secondary central serous chorioretinopathy. This is a series of 3 patients, all male with a mean age of 35 years (30-41) who began noticing visual symptoms after initiation of pre workout supplementation. No known exposure to steroid was documented in any patient. Patients were recommended to discontinue preworkout supplementation but could maintain their current diet and exercise regimen. Baseline choroidal thickness was measured at a mean of 513 microns by enhanced depth imaging (393-635). At final followup in all patients, complete sub retinal fluid resolution was noted, with a followup choroidal thickness mean of 447 microns (343-572), a difference of 66 microns (50-84).
- *Educational objectives:* Discuss known and potentially novel etiologies of central serous chorioretinopathy.
- *Schedule Restrictions:* None
- *Conflict of interest disclosure received:* Yes

Darby D. Miller -- "Sustainability in Ophthalmology"

- *Summary:* The talk will address waste in ophthalmology and how we can make the practice of ophthalmology more sustainable.
- *Educational objectives:*
- *Schedule Restrictions:* Cannot speak on Wednesday or Thursday
- *Conflict of interest disclosure received:*

+Jacquelyn O'Banion -- "Blindness Prevention – Understanding the multi-faceted challenges of access to eye care in the United States"

- *Summary:* This presentation will explore the complex challenge of access to eye care in

the United States. Early screening and detection of eye disease is key to the prevention of blindness. This talk will explore the issues of insurance, geography and social determinants of health as barriers to blindness prevention. The talk will also look at the State of Georgia as a case study and what Global Ophthalmology Emory and Georgia Vision 2020 have been doing to address these barriers.

- *Educational objectives:* To understand the complex nature of social determinants of health and access to eye care as it relates to blindness prevention.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Faruk H Orge ☐ -- "Update on FORGE MIGS Device"

- *Summary:* This talk will give an update on the FORGE MIGS device development and results on the cadaver eye experiments.

- *Educational objectives:* This lecture will help to discuss current MIGS devices and an alternative device to close the optimize results.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

Purnima Sharad Patel ☐ -- "Cataract Surgery in Patients with Uveitis"

- *Summary:* I will review pre and post-op preparations and management of uveitis to optimize cataract surgery outcomes.

- *Educational objectives:* Cataract surgery in patients with uveitis can be challenging. Learning to optimize treatment before surgery and being prepared for complication after surgery can help optimize outcomes.

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*

+Michael Puente ☐ -- "An Advocacy Case Report: Corneal Donation by Gay Men"

- *Summary:* On May 20, 1994, the FDA banned sexually active gay men from donating their corneas. This policy remains in place today. In this presentation, I will discuss the work happening over the last 4 years to lobby the FDA to revise this outdated policy..

- *Educational objectives:* This lecture will demonstrate how an ophthalmologist can develop a successful advocacy campaign.

- *Schedule Restrictions:* ☐ Can speak only on Monday

- *Conflict of interest disclosure received:* Yes

Philip R. Rizzuto -- "Goldman Sachs Has Your Back"

- *Summary:* Goldman Sachs 10.000 Small Businesses program provides business education, support services and pathways to capital growth-oriented entrepreneurs. Yes, that includes Eye Physicians and Surgeons. Its structure is based on by Babson College's MBA program, the nations top-ranked entrepreneurship school. The 10KSB curriculum focuses on practical business skills that to take their business to the next level, with topics like financial statements, negotiations, access to capital, advocacy and marketing. Personal experience, and benefits of the program will be discussed.

- *Educational objectives:* A brief presentation focusing on practical business skills that can immediately be applied to small business owners including negotiation, marketing access to capital and employee management.

- *Schedule Restrictions:* Updated - Not Monday or Tuesday

- *Conflict of interest disclosure received:*

Shira Robbins -- "Herding cats or how to lead 1700 physicians"

- *Summary:* How do we balance physician professionalism, physician burnout, decreasing liability and pursuing a culture of safety? We will discuss a model to respectfully advocate for physicians while providing non-punitive opportunities for self reflection and self regulation.

- *Educational objectives:* There can be disconnect between the understanding of professionalism from the physician and hospital perspective

- *Schedule Restrictions:* None

- *Conflict of interest disclosure received:* Yes

Mark Rosenblatt -- "Providing Vision to a Medical School: Opinions of the Only Ophthalmologist Dean"

- *Summary:* This talk review some of the challenges an opportunities in guiding a major medical school from the perspective of the dean.

- *Educational objectives:*

- *Schedule Restrictions:* None

- *Conflict of interest disclosure received:*

Joseph C. Schwartz -- "OcuFLOW, A Novel Device for Measuring Ocular Blood Flow."

- *Summary:* OcuFLOW is a unique device for measuring global ocular and, in particular, chordal blood flow in a clinical setting. The device will be described and it's potential relationship to detection and management of choroidal disease.

[CLICK HERE](#) for full abstract statement.

- *Educational objectives:* This is a new device to measure choroidal blood flow.
- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Stephen G. Schwartz ☐ -- "Dorothy Tiffany Burlingham and the Psychology of the Congenitally Blind Child"

- *Summary:* Dorothy Tiffany Burlingham (1891-1979) was a lay psychoanalyst who studied congenitally blind children. A daughter of the artist Louis Comfort Tiffany and a granddaughter of Charles Lewis Tiffany (founder of the retail empire), she left an unhappy marriage in search of psychotherapy and became a lifelong partner - both profession and personal - of Anna Freud. At age 67, Burlingham founded a day nursery in London for blind children and was a keen observer of their specific psychological problems. These include an impaired ego development, the need to remain still, and their anomalous relations with their parents and sighted peers. Her unusual life journey led to many important contributions in an important but perhaps underappreciated field.

- *Educational objectives:* To study the psychological problems of congenitally blind children.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:* Yes

Jeremiah P. Tao ☐ -- "History and Novel Applications of Tarsconjunctival Flaps"

- *Summary:* Wendell Hughes is widely regarded as the inventor of the tarsconjunctival flap, yet others described the procedure decades before him. In particular, Kollner's flap description in 1911 matches closely what is commonly performed today for reconstruction of lower eyelid defects. This talk reviews early descriptions of the tarsconjunctival flap and its evolution in both technique and indications.

- *Educational objectives:* Understand the origins and new applications of tarsconjunctival flaps.

- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

+Andrea Tooley ☐ -- "Cases of Severe Thyroid Eye Disease"

- *Summary:* Thyroid eye disease (TED) varies in clinical presentation and severity. Diagnosis of TED is clinical and based on a combination of signs and symptoms, radiographic evidence of characteristic extraocular muscle enlargement, a history of thyroid dysfunction, and serologic evaluation of thyroid antibodies. Alemtuzumab, a monoclonal antibody used in the treatment of multiple sclerosis is known to cause autoimmune hyperthyroidism and thyroid eye disease. We found 11 cases of Alemtuzumab induced TED (AI-TED) in the literature and added 5 additional cases to this series. Patients with AI-TED are more severe in presentation and

more often require orbital decompression for optic neuropathy. Additionally, TED may be treated with the FDA-approved IGF1 receptor antibody Teprotumumab. Cases of Teprotumumab treated TED which flare after treatment have also been noted to be more severe in nature. In this presentation, we will discuss these atypical and severe forms of TED.

- *Educational objectives:* This lecture will bring awareness to two unique forms of thyroid eye disease which are more severe in clinical presentation and require aggressive treatment.
- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:*

Mitul Vakharia ☐ -- "Ripasudil for Corneal Endothelial Proliferation"

- *Summary:* I will present a case of corneal endothelial wound healing with topical Ripasudil and then briefly discuss its other uses for the endothelium.
- *Educational objectives:* To study the psychological problems of congenitally blind children.
- *Schedule Restrictions:* ☐ ☐ None
- *Conflict of interest disclosure received:* Yes

+David Vollman ☐ -- "Ophthalmology's Challenge: Tackling Social Determinants of Health"

- *Summary:* Give an overview of what social determinants of health are and the focus payers and policy makers are placing on them. Outline ways that social determinants of health can be documented by providers and outline strategies that practices can use to help find and provide support for patients once a need is identified.
- *Educational objectives:* Provide a better understanding of what social determinants of health are, how to document them, and how to develop a strategy for your practice to assist patients who need support.
- *Schedule Restrictions:* ☐ Not Wednesday or Thursday
- *Conflict of interest disclosure received:* Yes

+ Basil K. Williams ☐ -- "Characteristics and Impact of A Novel Ophthalmology-Specific Social Service Department"

- *Summary:* The purpose of this manuscript is to describe ophthalmic social service resources available at Bascom Palmer Eye Institute (BPEI) and characterize trends in utilization of resources. Social service records from 2018-2022 were reviewed to collect data from company-sponsored patient assistance programs (PAPs) and institutional medication assistance program (MAP). The number of services used increased from 2018 (1,565) to 2019 (1,697), decreased in 2020 (1,018), and increased in 2021 (1,176) and 2022 (1,266). 4,657 patients used 6,722 PAPs or MAPs. PAPS were used for 1,287 drop prescriptions, 3,238

aflibercept/ranibizumab injections, and 142 aflibercept co-pay assistances. 790 patients used BPEI's MAP for 2,055 prescriptions. BPEI paid \$127,548.81 total toward pharmaceutical costs through MAP and average co-pay was \$12.74. Consistent use of BPEI social service resources suggests high and increasing patient need, and future study will determine impact on ophthalmic outcomes.

- *Educational objectives:* Ripasudil is now known to promote corneal endothelial proliferation which has important clinical applications..

- *Schedule Restrictions:* ☐ ☐ None

- *Conflict of interest disclosure received:*