

# OPHTHALMOLOGY RESEARCH DAY 2025

## Date and Time

Friday November 21

8:00 am - 3:00 pm



## Location

Ivey Spencer Leadership Centre



8:00 a.m. Registration

## Agenda a.m.

### 8:30 a.m. *Welcome and Introductions*

Dr. Cindy Hutnik & Dr. Monali Malvankar

Moderator- Dr. Bo Li

### 8:40 a.m. *Guest Speaker: Dr. Bernard Hurley*

**Topic:** The Diagnostic and Therapeutic Vitreomy

*By the end of this session, participants will be able to:*

- Describe the role and indications for diagnostic vitrectomy in complex retinal disease
- To compare the advantages of vitrectomy compared to vitreous tap in the management of challenging cases
- To review the outcomes of a case series of therapeutic vitrectomy at the University of Ottawa Eye Institute

### 9:10 a.m. – Dr. Richard Zhang (PGY2)

**Topic:** Subconjunctival Injection of Chitosan-Beta Glycerophosphate Hydrogel in a Rat Model of Glaucoma Filtration Surgery

### 9:20 a.m. – Medical Student: Billy Herspiegel

**Topic:** Optimal Timing for Intraocular Pressure Measurement Following Cataract Surgery: A Systematic Review, Meta-Analysis, and Survey of Canadian Ophthalmologists

### 9:30 a.m. – Dr. Rachel McInnis (PGY5)

**Topic:** Epidemiology of Bacterial Corneal Ulcers at a Tertiary Centre in London, Ontario

### 9:40 a.m. – Medical Student: Taliya Rizvi

**Topic:** Psychological and Quality-of-Life Outcomes in Patients with Strabismus: A Systematic Review

### 9:50 a.m. – Dr. Max Gelkopf (PGY5)

**Topic:** Is a Steroid Taper Needed for Conventional Cataract Surgery? A Retrospective Review of a Single Surgeon's Practice

### 10:00 a.m. – Research Associate: Samantha So

**Topic:** A Cost-Effectiveness Analysis of Medications Compared with Selective Laser Trabeculoplasty in Patients with Newly Diagnosed Open-Angle Glaucoma

### 10:10 a.m. – Medical Student: Chris Zajner

**Topic:** Examining the Outcomes and Complication Profile of Combined Pars Plana Vitrectomy and Akreos Scleral-Sutured Intraocular Lens Fixation

### 10:20 a.m. – Wellness Break

### 10:40 a.m. – Medical Student: Omar W. Nawara

**Topic:** Access Atlas: Dynamic, High-Resolution Mapping of Ophthalmic Care Accessibility in Canada

### 10:50 a.m. – Dr. Fatemah Alali (PGY5)

**Topic:** Microdropper as a Solution for Higher Concentration Mydriatics Use in Premature Infants

### 11:00 a.m. – Dr. Anastasiya Vinokurtseva (PGY3)

**Topic:** SIBS Microshunt Outcomes in Cases of Refractory and Non-Refractory Glaucoma

### 11:10 a.m. – Medical Student: Asim Ibrahim

**Topic:** Is the Incidence and Prevalence of Childhood Esotropia Decreasing? A Systematic Review and Meta-Analysis

### 11:20 a.m. – Dr. Amy Basilious (PGY3)

**Topic:** Improving Quality of Ocular Care in the ICU

### 11:30 a.m. – Dr. Grace Yin (PGY2)

**Topic:** Associations Between Muscle Factors with Glaucoma and Related Traits in a Large United Kingdom Population

### 11:40 a.m. – Medical Student: Salem Abu Al-Burak

**Topic:** Autografts vs. Allografts in Corneal Neurotization

### 11:50 a.m. – Lunch

### 12:50 p.m. – Welcome Back & Call to Order

Moderator: Dr. Danilo Paulo

# OPHTHALMOLOGY RESEARCH DAY 2025

## Agenda p.m.

### 1:00 p.m. – Guest Speaker: Dr. Tal Sharon

**Topic:** Come With Me and You'll See: A Golden Ticket to My Research Journey

*By the end of this session, participants will be able to:*

- Analyze a range of study designs shared by peers and facilitators to extract practical lessons.
- Collaborate with others to identify opportunities for future research and knowledge exchange.
- Evaluate fresh perspectives and real-world lessons from a variety of study designs.
- Generate new questions and ideas by applying curiosity and creativity in research contexts.
- Design and analyze research studies with increased confidence.

### 1:30 p.m. – Dr. Khaldon Abbas (PGY1)

**Topic:** Using Large Language Models to Generate Retina Patient Education Material: A Comparative Analysis with American Society of Retina Surgery Patient Brochures

### 1:40 p.m. – Medical Student: Sayan Dhivakaran

**Topic:** Psychosocial Outcomes Associated with Basal Cell Carcinoma of the Face

### 1:50 p.m. – Dr. Lucas Foster (PGY4)

**Topic:** Prevalence and Impact of Anatomical Anomalies of the Extraocular Muscles in Bilateral Medial Rectus Recessions for Childhood Esotropia: A Retrospective Review of 504 Cases

### 2:00 p.m. – Wellness Break

### 2:15 p.m. – Dr. Jake Armstrong (PGY4)

**Topic:** Systemic Inhibition of the Angiotensin System Associated with Reduced Rates of Glaucoma Surgery

### 2:25 p.m. – Dr. Anastasiya Vinokurtseva (PGY3)

**Topic:** COX-2 Acetylating Immuno-Resolvents (CAIRs) for the Treatment of Ocular Inflammation in an Animal Model of Uveitis

### 2:35 p.m. – Judges: Evaluation & Deliberation

### 2:45 p.m. – Presentation of Awards & Acknowledge Judges

At least 25% of this program is dedicated to participant interaction.

### LEARNING OBJECTIVES

- Critically appraise current clinical, educational, and basic science research in Ophthalmology
- Discuss the research presentations and reflect on potential implications for patient care

### STUDY CREDITS

This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification Program of the Royal College of Physicians and Surgeons of Canada, and approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University.

You may claim a maximum of 4.25 hours (Credits are automatically calculated.)

*Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.*

### GUEST SPEAKERS

#### Dr. Tal Sharon, MD – Ophthalmologist

Glaucoma, Cataract, and Advanced Anterior Segment Surgery  
Ivey Eye Institute, London, Ontario

#### Dr. Bernard R. Hurley, BSc, MD, FRCSC

Assistant Professor, The University of Ottawa Eye Institute  
Former Residency Program Director  
Fellowship Program Director, University of Ottawa Eye Institute

### JUDGES

Dr. Tal Sharon, Dr. Bernard Hurley, Dr. Alex Fraser