

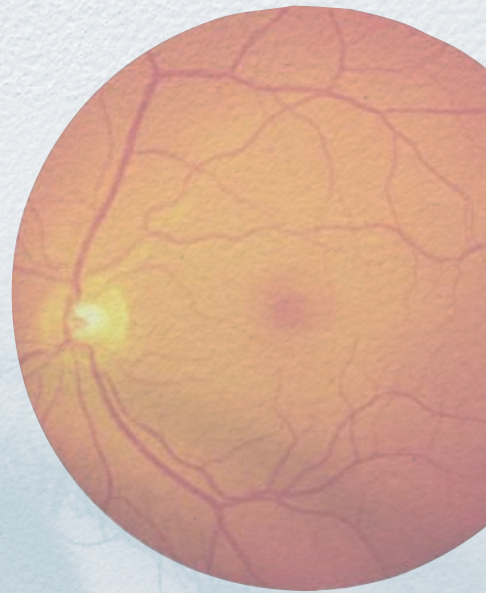


McGill



Friday, June 2, 2023
St. James Club

2023 MCGILL OPHTHALMOLOGY CLINICAL DAY



ASSOCIATION DES MÉDECINS OPHTHALMOLOGISTES
DU QUÉBEC



McGill
UNIVERSITY



MCGILL OPHTHALMOLOGY CLINICAL DAY PROGRAM 2023



McGill Clinical Day Schedule

Friday, June 2, 2023 • Location: St. James Club

OVERALL PROGRAM OBJECTIVES

IDENTIFY... and evaluate how artificial intelligence can transform the diagnosis and delivery of ophthalmology

DESCRIBE... how new surgical interventions can fit in the paradigm of disease management

EXAMINE... novel medical treatments for ophthalmic pathologies

DISCUSS... new operational techniques for improving the efficiency and efficacy of a clinic in delivering ophthalmic care





SCHEDULE

7:30 AM

REGISTRATION & BREAKFAST

8:30 AM

OPENING REMARKS

Dr. Leonard Levin, MD, PhD, Chair, McGill Department of Ophthalmology and Visual Sciences

Dr. Mahshad Darvish, MDCM, MBA, Chair, McGill Ophthalmology Clinical Day

INNOVATIONS IN DIAGNOSTICS

Moderator: Dr. Fatma Zaguia

8:40 AM

DARIO LORENZETTI LECTURE: FROM PIXELS TO PRECISION: IMPROVING GLAUCOMA DIAGNOSTICS WITH AI

Dr. Felipe Medeiros

- Discuss artificial intelligence applications to improve screening, diagnosis and detection of glaucoma progression
- Analyze the current evidence regarding the role of AI, with discussion of limitations and biases

9:05 AM

STEPHEN FICHMAN LECTURE: AI ENHANCES TELEOPHTHALMOLOGY FOR DIABETIC RETINOPATHY SCREENING IN PRIMARY CARE

Dr. Theodore Leng

- Describe the challenges of performing population-wide diabetic retinopathy screening per the American Academy of Ophthalmology recommendations
- Evaluate the impact of a distributed, AI-enabled network to screen for DR in an academic primary care network

9:30 AM

AI & PRECISION MEDICINE IN OPHTHALMOLOGY

Dr. Ranya Habash

- Discuss the need for precision medicine in patient care
- Describe the use of digital twinning in precision medicine





SCHEDULE

9:45 AM

SEAN B. MURPHY LECTURE: RISE OF THE MACHINES: SCIENCE FICTION/SCIENCE FACT

Dr. Ranya Habash

- Review and explain new technologies in medicine
- Understand the merits of brain-machine technology

10:10 AM

BREAK

SURGICAL INNOVATIONS

Moderator: Dr. Michael Kapusta

11:00 AM

DIFFUSION OF INNOVATION

Dr. Mahshad Darvish

- Distinguish the five main elements that influence the spread of a new idea
- Describe the five stages of the process an individual goes through in adopting an innovation

11:15 AM

ARTIFICIAL CORNEAS

Dr. Marie-Claude Robert

- Discuss the unmet need for alternatives to corneal transplantation.
- Discuss potential complications of Boston keratoprosthesis implantation.
- Identify theoretical advantages of cell-free biomaterial implants that allow for corneal regeneration

11:30 AM

ROBOTIC-ASSISTED VITREORETINAL SURGERY

Dr. Vincent Sun

- Discuss current implementations of robotic assisted vitrectomy systems
- Review pathology amenable to robotic assisted vitrecomy





SCHEDULE

11:45 AM

GLAUCOMA SURGERY INNOVATION: DO MORE OPTIONS MEAN BETTER OPTIONS?

Dr. Hady Saheb

- Compare the different categories of glaucoma surgery while discussing the recent innovations within each category
- Explain the impact of glaucoma surgical innovations on our treatment decision-making

12:00 PM

CORNEAL ALLOGENIC INTRASTROMAL RING SEGMENTS

Dr. Julia Talajic

- Explain Corneal Allogenic Intrastromal Ring Segments
- Review and explain the indications of CAIRS—where should they be considered in the keratoconus treatment algorithm?

12:15 PM

NEW SURGICAL CLASSIFICATION FOR LARGE MACULAR HOLES BASED ON MOST RECENT SURGICAL TECHNIQUES

Dr. Flavio Rezende

- Evaluate the new classification for large macular holes
- Discuss the newer surgical techniques results for large macular holes

12:30 PM

LUNCH





SCHEDULE

INNOVATIONS IN THERAPEUTICS

Moderator: Dr. Karin Oliver

1:45 PM

REVOLUTIONIZING GLAUCOMA MANAGEMENT: THE PROMISE OF SUSTAINED DRUG DELIVERY THERAPY

Dr. Felipe Medeiros

- Review limitations of current available medical therapies for glaucoma and patient adherence
- Discuss recent findings on the efficacy of sustained drug-delivery therapies for glaucoma, including findings from clinical trials. Discuss limitations and potential side-effects of currently available approved therapies.

2:00 PM

DISARMINGLY WILD: THERAPIES TO SLOW OPTIC NEUROPATHY IN GLAUCOMA

Dr. Leonard Levin

- Evaluate the importance of slowing or stopping axonal degeneration in optic nerve diseases, including glaucoma
- Discuss how drugs can be developed to help protect axons from degenerating.

2:15 PM

INNOVATIONS IN PEDIATRIC OPHTHALMOLOGY

Dr. Marcela Falcao

- Review the studies done on atropine drops
- Discuss alternative treatments for Amblyopia

2:30 PM

CURRENT AND UPCOMING GENE THERAPY TREATMENTS

Dr. Cynthia Qian

- Explain the pathologies for which there is currently ongoing research or approved gene therapies
- Discuss the general classes of mechanisms of action and target sites of current gene therapy treatments.

2:45 PM

BREAK





SCHEDULE

OPERATIONAL INNOVATIONS IN THE CLINIC

• Moderator: Dr. Daniella Toffoli

3:15 PM

OPERATIONAL MUSINGS OF A CLINICIAN

Dr. Kashif Baig

- Discuss emerging concepts in practice management
- Evaluate resources that can be used to understand practice management

3:40 PM

APPLYING LEAN METHODOLOGY TO CLINIC FLOW TO REDUCE WAIT TIMES

Dr. Theodore Leng

- Describe what can contribute to clinic wait times in a retinal practice
- Evaluate the impact of distributed imaging and workflow re-configuration on wait times and total time in clinic

4:05 PM

MEDICINE IN THE METAVERSE

Dr. Ranya Habash

- Evaluate the use cases for metaverse technology in healthcare
- Explain how metaverse technology assists in surgical education

4:20 PM

PANEL

Dr. Theodore Leng, Dr. Felipe Medeiros, Dr. Ranya Habash, Dr Kashif Baig

4:40 PM

CONCLUDING REMARKS

Dr. Mahshad Darvish

4:45 PM

CLOSING OF THE ACTIVITY





ACCREDITATION

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 a recognized professional development and assessment activity (Categories A) as defined by the Collège des médecins du Québec. This activity was approved by the direction de Développement professionnel continu (DDPC) of the Fédération des Médecins specialists du Québec.

You may claim a maximum of 5.75 hours Section 1/Recognized Professional Development Activity

(Category A). Participants should claim a number of hours consistent with their attendance.

ÉNONCÉ DE MISSION



Le Comité du développement professionnel continue (DPC) de l'Association des médecins ophtalmologistes du Québec (AMOQ) s'est donné pour mandat d'assurer le maintien de connaissances professionnelles et d'améliorer les compétences transverses des membres de l'Association dans le but d'offrir à la population du Québec les meilleurs standards de qualité en ce qui a trait à la pratique de l'ophtalmologie.

Le programme suivant a été élaboré conjointement avec l'Association des Médecins ophtalmologistes du Québec de manière à respecter les principes d'intégrité, d'objectivité et d'équilibre scientifiques. L'AMOQ, par le biais de sa cotisation syndicale, participe au financement des EOUM. Ce programme s'adresse aux ophtalmologistes et résident.e.s. Les infirmières et orthoptistes peuvent y assister.

CanMEDS Roles	Number of Objectives Meeting Competency	Percentage
Expert Medical	23	19%
Communicator	24	20%
Collaborator	10	8%
Leader	30	25%
Health Promoter	7	6%
Scholar	18	15%
Professional	9	7%
TOTAL	121	100%





**THIS PROGRAM
BENEFITS FROM
UNRESTRICTED
EDUCATIONAL GRANTS**

SILVER

ABBVIE

ALCON

BAYER

JOHNSON & JOHNSON VISION CARE

SUN PHARMA

BRONZE

BAUSCH HEALTH

GLAUKOS

CARL ZEISS CANADA

