

**McGill Ophthalmology Research Day
AGENDA**

**June 17, 2022
Martin Amphitheatre, McIntyre Building
McGill University**

Program Learning Objectives

At the end of the program, participants will be able to:

- Describe the methodology of the research.
- Analyse a scientific publication in relation to vision research.
- Discuss the recent data of fundamental and clinical research in their environment.
- Interpret the results of recent research work done in diseases of the eye in such subspecialties as glaucoma, retina, cornea, neuro-ophthalmology, uveitis, pediatric ophthalmology, and vision science.
- Discuss the impact these recent developments could have on their practice.

Accreditation Statement

The 45th Annual McGill Department of Ophthalmology and Visual Sciences Department Research Day 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 was approved by the Canadian Ophthalmological Society. Physicians may claim a maximum of 4.15 hours.

Physicians should only claim credit commensurate with the extent of their participation in the learning activity.

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to *AMA PRA Category 1 Credits™*. Information on the process to convert Royal College MOC credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Friday, June 17, 2022

8:45a.m. **Welcome Remarks**
Dr. Leonard Levin MD, PhD, FRCSC
McGill University, Chair, Department of Ophthalmology and Visual Sciences

8:50 a.m. **Welcome Remarks**
Alexander Baldwin, PhD
Chair, McGill Ophthalmology Research Day

****Each presentation will be 7 minutes in length, followed by a 2-minute Q&A, except #7, 8, 14 & 15 will be 12 minutes, followed by a 3-minute Q&A.**

9:00 a.m. **Session I. Moderator: Ana Ramirez Hernandez**

1. Effect of COVID-19 on the Canadian Ophthalmology Residency Matching Process: A Cross-sectional Survey of Medical students and Selection Committee Members (*Yuan, Po Hsiang (Shawn), Lo, Cody, Al Gahdri, Marwa*)
2. Diffusion Tensor Imaging of Optic Neuropathies: A Critical Literature Review (*Cooper, Austin C., Tchernykh, Maxim, Shmuel, Amir, Mendola, Janine*)
3. Zonular Instability and Decreased Capsulorhexis Diameter in Post-Mortem Pseudophakic Eyes (*Nassrallah, Emmanuel, Nassrallah, Georges, Mastromonaco, Christina, Dias, Ana Beatriz Toledo, Mansure, Jose Joao, Saheb, Nabil, Burnier, Miguel N.*)
4. Intimate Partner Violence-Related Ocular Trauma in the United States (*Alik, Maya, Malik, Mishaal, Ashrafi, Reza, Wu, Albert*)
5. Contrast Constancy in Peripheral Vision: An Old Problem With a New Colour (*Jiang, Zhuohan(Audrey), Shooner, Christopher, T.Mullen, Kathy*)
6. Increasing Interocular Grouping Demands during Binocular Rivalry (*Mokri, Eric, Da Silva Castanheira, Jason, Mendola, Janine D.*)
7. Short- to Medium-Term Outcomes of Kahook Dual Blade Excisional Goniotomy with Concomitant Phacoemulsification: a pan-Canadian

Study (*Salimi, Ali, Kasner, Oscar, Schendel, Steven, Mydlarski, Marc, Kalache, Dima, Vera, Lautaro, Pintwala, Rob, Harasymowicz, Paul*)

8. Femtosecond laser-assisted Versus Manual Descemet's Membrane Endothelial Keratoplasty: A Systematic Review and Meta-analysis (*Siddharth Nath¹, Harrish Nithianandan¹, Arjan S. Dhoot², Carl Shen³, Daniel Peretz¹, Alex Koziarz², Nishaant Bhambra², William G. Hodge⁴, Johanna Choremis¹, Mahshad Darvish-Zargar*)

10:35 a.m.

Break

11:00 a.m.

Session II. Moderator: Reza Abbas Farishta

9. Insights on Contour Integration through Discrimination of good Continuation (*Zanetti, Kiana, Baldwin, Alexander*)
10. Advanced fMRI Studies of Optic Neuropathies: A Review (*Sujanthan, Sujeevini, Shmeul, Amir, Mendola, Janine*)
11. A Novel Adaptative Method for Measuring Point of Subjective Equality (*Wang, Penghan (Collin), Reynaud, Alexandre*)
12. Using Dichoptic Surround Suppression to Unfold the Question of Underlying Mechanism of Amblyopic Interocular Suppression (*Sarkar, Rinku, Kingdom, Frederick A.A., Hess, Robert, Reynaud, Alexandre*)
13. NeuroCSF an Objective Neuroimaging Method to Measure Human Population Contrast Sensitivity Function (*Goulet, Laurie, Farishta, Reza Abbas, Farivar, Reza*)
14. Filtering Blue Light Mitigates the Deleterious Effects Induced by the Oxidative Stress in Primary Human Retinal Pigment Epithelial Cells (*Abdouh, Mohamed, Lu, Melissa, Chen, Yunxi, Goyeneche, Alicia, Burnier, Julia Valdemarin, Burnier, Miguel*)
15. Assessing the Interocular Delay in Amblyopia and its link to Visual Acuity (*Gurman, Daniel, Reynaud, Alexandre*)

12:30 p.m.

Lunch & Voting

- 1:30 p.m. **Panel: From Medicine to Research and Back Again: The Role of the Physician-Scientist** (*Dr. Terry Hebert, Dr. Avi Wallerstein, and Dr. Leonard Levin*) Session Moderators: Gareth Mercer & John C. Chen
- 2:45 p.m. **Session Selections/Winners Announced/Pictures**
- 3:00 p.m. **Closing Remarks, Adjourn**