



Overall Learning Objectives:

At the end of the meeting, participants should be able to:

1. Examine emerging research in retinal ganglion cell transplantation and optic nerve regeneration
2. Compare different intraocular lens options to correct for presbyopia in glaucoma patients
3. Discuss technologies available to assess the glaucoma patient outside of the office
4. Understand how novel glaucoma procedures fit in the surgical framework
5. Identify how glaucoma co-exists with other subspecialties

FRIDAY, OCTOBER 14TH

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| 7:00 am – 8:00 am | Registration, Breakfast, Exhibits |
| 8:00 am – 8:15 am | Welcome Remarks |
| 8:15 am – 8:45 am | <p>Session #1 – Research at Work Moderator: Cindy Hutnik</p> <p>Differential Effects of Acetylsalicylic acid and Mitomycin-C on Cytokine-Induced Tenon's Capsule Myofibroblast Transdifferentiation and Activity – <i>Anastasiya Vinokurtseva</i></p> <p>Eye Tracking and Visual Field Assessment – <i>Rodolfo Bonatti</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Understand retinal ganglion cell morphologic changes after optic nerve injury. 2. Discuss the implications for glaucoma surgery of ASA and mitomycin C on subconjunctival scarring. |
| 8:45 am – 8:55 am | Fighting Blindness Canada Report Card on the Cost of Vision Loss and Blindness in Canada – <i>Cindy Hutnik</i> |
| 8:55 am – 9:30 am | <p>RGC Transplantation and Optic Nerve Regeneration – <i>Dr. Thomas Johnson</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. To delineate the steps necessary to restore visual function for patients with advanced glaucoma or other optic neuropathies. 2. To describe experimental approaches to RGC transplantation and repopulation. 3. To highlight the obstacles to re-establishing functional signaling with a diseased visual pathway and equip listeners with information and insights necessary to critically evaluate the preclinical literature. |
| 9:30 am – 10:00 am | Break and Exhibits |
| 10:00 am – 10:45 am | <p>Session #2 – Next-Generation Bleb-Forming Implant Surgery Moderator: Edward Moss</p> <p>Xen45 vs Xen63 – <i>David Yan</i></p> <p>Preserflo: Early User Experience – <i>Michael Dorey</i></p> <p>Clearpath – <i>Gavin Docherty</i></p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Review the early experience of Xen 63 and how it compares to Xen 45 2. Examine the outcomes of the Preserflo microshunt since Health Canada approval |
| 10:45 am – 11:45 am | <p>Session #3 – Panel: Presbyopic Correction in the Glaucoma Patient with Cases Moderator: Xavier Campos</p> <p>Presenters: Paul Harasymowycz, Steven Schendel, Gabriela Campos</p> <p>Learning Objectives:</p> <ol style="list-style-type: none"> 1. Describe the technology of various presbyopic-correcting intraocular lenses 2. Evaluate what factors may be relevant to glaucoma patients considering presbyopic intraocular lens correction |

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| 11:45 am – 12:45 pm | Session #4 – Glaucoma Beyond the Office Moderator: Jamie Taylor Remote Tonometry – <i>Dr. Thomas Johnson</i> Practical Telemedicine – <i>Delan Jinapriya</i> FORUM for Glaucoma Specialists – <i>Patrick Gooi</i> Learning Objectives: <ol style="list-style-type: none"> To describe IOP fluctuations that characterize normal people and those with glaucoma To evaluate methods for measuring IOP fluctuation out of office hours using remote tonometry To highlight areas in need of further research, which could demonstrate specific areas of clinical utility for remote tonometry |
| 12:45 pm – 1:30 pm | Lunch, Exhibits |
| 6:00 pm – 7:30 pm | CGS Welcome Reception Rattenbury Room, Fairmont Empress Hotel |

SATURDAY, OCTOBER 15TH

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| 8:00 am – 9:00 am | Breakfast, Exhibits |
| 9:00 am – 9:45 am | Session #5 – Subspecialty Updates for Glaucoma Specialists Moderator: Frederick Milkelberg OCT/OCT-A - <i>Wai Ching Lam</i> The Role of MIGS in Corneal Transplant Patients – <i>Alfonso Iovieno</i> Uveitis Update – <i>Carol Tadrous</i> Learning Objectives: <ol style="list-style-type: none"> Review the use of OCT-angiography for retinal disease, and how this may apply for glaucoma specialists Identify surgical techniques that may optimize the health of a corneal transplant |
| 9:45 am – 10:15 am | Neuroprotection and the Future – Dr. Thomas Johnson Learning Objectives: <ol style="list-style-type: none"> To assess the need for neuroprotective treatments for glaucoma To review the extensive preclinical literature identifying an array of drugs and molecular targets for RGC neuroprotection To highlight promising ongoing clinical trials for neuroprotection in glaucoma |
| 10:15 am – 10:45 am | Break, Exhibits |
| 10:45 am – 11:30 am | Session #6 – Angle-Based Glaucoma Surgery Moderator: Tim Ratzlaff GATT in Patients with Advanced Glaucoma – <i>Nimrod Dar</i> Matched Cohort Study of Cataract Surgery With and Without Trabecular Microbypass Stent Implantation in Primary Angle-Closure Glaucoma – <i>Ali Salimi</i> Hydrus & KDB – <i>Jeb Ong</i> Learning Objectives <ol style="list-style-type: none"> Review the literature on trabecular bypass surgery Discuss the evolution of gonioscopy-assisted transluminal trabeculotomy in clinical practice |
| 11:30 am – 12:15 pm | Session #7 – New Approaches to Traditional Surgery Moderator: Amaka Eneh Mitomycin-C in Valved Surgery – <i>Jing Wang</i> Cyclophotocoagulation: Beyond the Diode – <i>Nir Shoham-Hazon</i> Old Tools & New Tricks: When Conjunctiva Misbehaves – <i>Toby Chan</i> Learning Objectives: <ol style="list-style-type: none"> Recognize indications for using mitomycin-C in valved glaucoma surgery. Review cyclophotocoagulation procedures available to the glaucoma specialist. |
| 12:15 pm – 12:30 pm | Closing Remarks |
| 12:30 pm – 1:30 pm | Lunch |
| 12:45 pm – 2:00 pm | CGS Business Meeting (Working Lunch) |
| 6:30 pm – 10:00 pm | CGS Reception & Dinner Steamship Restaurant |