



Canadian Retina & Vitreous Society Société canadienne de la rétine et du vitré

Retinal Vascular Diseases and Basic Science Maladies vasculaires de la rétine et science fondamentale

Monday, June 22 | 0800–0930 | Harbour A
Lundi 22 juin

Objectives - Objectifs

- At the end of this session participants will be able to:
- integrate new approaches to the management of retinal vascular diseases into their practice.
 - assess new advances in basic science research in the area of retinal disease.
 - compare new animal models and imaging techniques for the retina and retinal diseases.

À la fin de la session, les participants pourront :

- intégrer les nouvelles approches dans la gestion des maladies vasculaires de la rétine dans leur pratique.
- évaluer les nouveaux progrès de la recherche fondamentale dans le secteur de la rétine.
- comparer les nouveaux modèles pour animaux et les nouvelles techniques d'imagerie numérique de la rétine et des maladies rétinienne.

Guest - Invité

Joan Miller, MD

Moderator - Animateur

Peter Kertes

- 0800 Neuroprotection for retinal disease
Joan Miller
- 0815 Discussion
- 0820 Quantitatively modeling ocular drug flow using micro-CT acquired images
Corey A. Smith, Timothy A Newson, Kevin Leonard, David Holdsworth, Chris Norley, Joesph Barfett, Cindy Hutnik, Kathleen A. Hill
- 0825 Improved imaging with the hand-held spectral domain ocular coherence tomography and surgical visualization with the intraocular endoscope in the management of advanced retinopathy of prematurity
Rajeev H. Muni, Thomas C. Lee
- 0830 Discussion
- 0834 Structural and functional correlates of diabetic macular edema using OCT, microperimetry and multifocal ERG
Stuart G. Coupland, Danah Al-Breiki, Bernard Hurley, Brian C. Leonard

- 0839 Anesthetic and pharmacological agents alter the optic nerve head component (ONHC) of the porcine multifocal electroretinogram (mfERG)
Rita Buffa, Aphrodite Dracopoulos, Shelley R. Boyd
- 0844 Discussion
- 0849 The Renin-Angiotensin System (RAS) induces Erythropoietin (Epo) expression in the mRen(2) transgenic rat retina: implications for diabetic retinopathy
Shelley R. Boyd, Xu Zhao, Hai Wang
- 0854 Ocular phenotyping in a memantine-treated mouse model of retinal degeneration
Thomas C. MacPherson, Kevin C. Leonard, Cindy M. Hutnik, Kathleen A. Hill
- 0859 Discussion
- 0904 In vitro bovine lens toxicity model for testing novel intraocular dyes for chromovitrectomy
Lisa M. Lagrou, John R. Gonder, David McCanna, Jacob G. Sivak
- 0909 Photodynamic therapy with Verteporfin for chronic central serous chorioretinopathy
Patrick Gooi, Tom Gonder, Amin Kherani, Geoff Williams
- 0914 Oral versus topical diclofenac for pain prevention during panretinal photocoagulation
Peter A. Zakrzewski, Heather L. O'Donnell, Wai-Ching Lam
- 0924 Discussion



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Age-related Macular Degeneration and Choroidal Neovascularization Dégénérescence maculaire liée à l'âge et néovascularisation choroïdienne

Monday, June 22 | 1330–1500 | Harbour A
Lundi 22 juin

Objectives - Objectifs

- At the end of this session, participants will be able to:
- integrate new approaches to choroidal neovascularization into practice.
 - describe potential side effects and complications related to anti-VEGF therapies.
 - compare new imaging modalities for age-related macular degeneration (AMD).

À la fin de la session, les participants pourront :

- intégrer les nouvelles méthodes de néovascularisation choroïdienne dans leur pratique.
- décrire la possibilité d'effets secondaires et de complications associés aux thérapies anti-FCEV.
- comparer les nouvelles modalités d'imagerie pour la DMLA.

Guest - Invité

Joan Miller, MD

Moderator - Animateur

Jean-Daniel Arbour

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| 1330 | AMD: Genetics update
Joan Miller |
| 1345 | Discussion |
| 1350 | The harlequin carrier mouse (hqX): A new model for aging-associated retinal degeneration
Alex M. Laliberte, Thomas M. MacPherson, Anita Prtenjaca, Cindy M. Hutnik, Kathleen A. Hill |
| 1355 | The efficacy of Ranibizumab in the treatment for exudative age-related macular degeneration in patients previously treated by other modalities
Jonathan J. Bastian, Matt Regan, Amber Sheikh, Ravi Nrusimhadevera, Kevin Colleaux |
| 1400 | Discussion |
| 1404 | Management of pediatric choroidal neovascular membranes with intravitreal anti-VEGF agents: A retrospective consecutive case series
Radha P. Kohly, Rajeev H. Muni, Peter J. Kertes, Wai-Ching Lam |
| 1409 | Management options for massive hemorrhagic retinal detachment in macular degeneration
Thomas M. Johnson |
| 1414 | Discussion |

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| 1420 | Comparison of OCT vs. Fluorescein angiography for detection of disease activity in treated exudative AMD
Chirag R. Shah, Michael Brent, Wai-Ching Lam, Robert Devenyi, Mark Mandelcorn |
| 1425 | Does autofluorescence changes in subfoveal neovascular-AMD have significant correlation with central macular thickness after intravitreal injection of Bevacizumab?
Mohammad Riazi-Esfahani, Hamid Ahmadi, Mohsen Norouzfard, Niloofar Piri, Alireza Salehi |
| 1430 | Discussion |
| 1434 | Incidence of ocular complications following intravitreal bevacizumab (Avastin®) injections
Riley Hall, Nidhi Lodha, Patrick Mitchell, Geoff Williams, Amin Kherani |
| 1439 | Acute intraocular inflammation following intravitreal injection of bevacizumab - a cluster of cases
Michael P. Fielden, Brian Nelson, R. Geoff Williams, Anna L. Ells, Jag Anand, Amin Kherani |
| 1444 | Outbreak of acute intraocular inflammation after bevacizumab intravitreal injection: An epidemiological investigation
Simon Holland, Patrick Ma, David Maberley, Andrew Merkur, David Albani, Alan Maberley, William Ross |
| 1449 | Discussion |



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Ocular Tumours and Surgical Retina Tumeurs oculaires et chirurgie de la rétine

Monday, June 22 | 1530–1700 | Harbour A
Lundi 22 juin

Objectives - Objectifs

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

- describe issues affecting uveal tumor growth.
- apply new knowledge regarding posterior vitreous detachment to practice.
- gain new insight into surgery for macular holes.

À la fin de la session, les participants pourront :

- décrire les problèmes affectant la croissance de la tumeur uvéale.
- mettre en pratique les nouvelles connaissances concernant le décollement du vitrée postérieur.
- gagner une nouvelle compréhension de la chirurgie des trous maculaires.

Guest - Invité

Joan Miller, MD

Moderators - Animateurs

Hugh McGowan, Kevin Colleaux

- 1530 Cellular mechanism of proliferative vitreoretinopathy
Joan Miller
- 1545 Discussion
- 1550 Chromosomal 6 aberrations in uveal melanoma and an inflammatory phenotype
Parambir S. Keila, W. Maat, E. S. Jordanova, W. Kroes, Gre P.M. Luyten, Martine J. Jager
- 1555 Choroidal nevi: Growth assessment and 14 years' follow-up with ultrasound
Silvin Bakalian, Susan K. Lindley, Jonathan W. Bush, Dina Abdulmannan, Miguel N. Burnier
- 1600 Discussion
- 1604 Growth rate of medium-sized uveal melanoma before plaque radiotherapy as a prognostic factor for post-treatment outcome
Hatem Krema, Christine Law, Rand Simpson, David Payne, Charles Pavlin, Wei Xu
- 1609 Uveal melanomas in young patients
Emiliano Fulda, Bruno Fernandes, Hatem Krema, Rand Simpson

- 1614 Management of iris melanomas with 125 iodine plaque radiotherapy
Bruno F. Fernandes, Hatem Krema, Emiliano Fulda, Charles V. Pavlin, David G. Payne, E. R. Simpson
- 1619 Discussion
- 1625 Anatomic and functional outcomes in patients with repeat surgery for idiopathic full thickness macular holes
Varun Chaudhary, Mark D'Souza, Peter J. Kertes, Robert G. Devenyi, Wai-Ching Lam
- 1630 Morphological features of phakic and pseudophakic retinal detachments
Mark A. Mandell, Rajeew H. Muni, Steve M. Conti, Feisal A. Adatia, Mir R. Nabavi, Wai-Ching Lam, Robert Devenyi, Peter J. Kertes
- 1635 Discussion
- 1639 Signs and symptoms predictive of retinal tear in the setting of posterior vitreous detachment: A meta-analysis
Hussein Hollands, Davin Johnson, David Almeida, Sanjay Sharma
- 1644 Nevanac in the management of chronic macular edema
Arif Samad, Alison Che
- 1649 Macular hole in Behcet's Disease: Clinical features, and outcome of management
Marwan A. Abouammoh, Hassan Al-Dhibi, Manal M. Bouhaimed, Essam Al-Harathi, Imtiaz Chaudhry
- 1654 Discussion