

**COS Annual Meeting  
and Exhibition**

**June 20-23**

Westin Harbour Castle

**Congrès et exposition  
annuels de la SCO**

**Du 20 au 23 juin**

Westin Harbour Castle

**Toronto**



**2009**

**Program  
Programme**



Canadian Ophthalmological Society  
Société canadienne d'ophtalmologie

**CONTROVERSIES | CURRENT CONCEPTS | CLINICAL UPDATES**



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The Canadian Ophthalmological Society and affiliated societies gratefully acknowledge the participation of the following corporate sponsors, each of whom has provided an unrestricted educational grant in support of the Annual Meeting program.

### Commandites des entreprises

The Canadian Ophthalmological Society and affiliated societies gratefully acknowledge the participation of the following corporate sponsors, each of whom has provided an unrestricted educational grant in support of the Annual Meeting program.

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## Planning Committee Comité de planification

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### **Allan Slomovic**

Chair, COS Council on Continuing Professional Development and Annual Meeting Chair  
Président, conseil du perfectionnement professionnel continu et du congrès annuel

### **Affiliated societies and special interests groups Sociétés affiliées et Groupes d'intérêt particulier**

Canadian Cornea, External Disease & Refractive Surgery Society  
Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive  
**Guillermo Rocha**

Canadian Glaucoma Society  
Société canadienne du glaucome  
**Yvonne Buys, Neeru Gupta**

Canadian Neuro-ophthalmology Society  
Société canadienne de la neuro-ophtalmologie  
**Agnes Wong, Martin ten Hove**

Canadian Society of Oculoplastic & Reconstructive Surgery  
Société canadienne de l'oculoplastie et de la chirurgie reconstructive  
**Larry Allen**

Canadian Ophthalmic Pathology Society  
Société canadienne de la pathologie oculaire  
**Godfrey Heathcote**

Canadian Association of Pediatric Ophthalmology  
Association canadienne des ophtalmologistes pédiatriques  
**Patrick Hamel**

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

Canadian Uveitis Society  
Société canadienne de l'uvéite  
**William Hodge**

Canadian Society for International and Public Health Ophthalmology  
Société canadienne de l'ophtalmologie internationale et de la santé publique  
**Ralf Buhrmann**

Comprehensive Ophthalmology  
Ophtalmologie générale  
**Lindsay Ong-Tone**

Low Vision Rehabilitation  
Déficience visuelle : la réadaptation  
**Sam Markowitz, Mary Louise Jackson**

Surgical Teaching  
Enseignement de la chirurgie  
**Ike Ahmed**

Communications & Ethics  
L'éthique et la communication  
**Alex Levin**

### **Allied Health Sociétés connexes de la santé**

Canadian Society of Ophthalmic Medical Personnel  
Société canadienne du personnel médical en ophtalmologie  
**Marc Lafontaine**

Canadian Society of Ophthalmic Registered Nurses  
Société canadienne des infirmières et infirmiers en ophtalmologie  
**Rosemary Bickerton**

The Canadian Orthoptic Society  
La Société canadienne d'orthoptique  
**Cindy York**

### **COS**

**Hubert Drouin**  
Executive Director  
Directeur général

**Inika Anderson**  
Manager, Continuing Professional Development  
Gestionnaire, Développement professionnel continu



Dear Colleague,

It gives me great pleasure to invite you to attend the 72<sup>nd</sup> COS Annual Meeting and Exhibition. This meeting is the largest gathering of ophthalmologists and allied health in Canada. This event brings together the individuals who work across the spectrum of vision health – from research to patient care. The scientific program is composed of invited lectures, selected papers and posters. It has been designed by an outstanding Canadian and international faculty and promises every opportunity for an exchange of information and education. The planning committee, chaired by Dr. Allan Slomovic, has assembled over 25 symposia, which will cover just about every current aspect of the practice of ophthalmology.



In keeping with the technical advances of this decade, an extensive exhibition will offer state-of-the-art ophthalmic equipment and services displayed by over 30 companies from across Canada and the USA. COS is particularly grateful to the continuing support of our corporate sponsors, without whom a meeting of this calibre and magnitude would not be possible.

Also look forward to a special evening featuring Via Salzburg with violinist Mayumi Seiler, one of Canada's foremost chamber music orchestras, in the Glenn Gould Studio of the CBC Broadcast Centre. The concert will be followed by our usual gala dinner and the opportunity to mingle with colleagues and friends.

I look forward to welcoming you at the Annual Meeting. I am confident COS will fulfill its commitment to educate and enrich all participants.

Lorne Bellan, MD, FRCS (C)  
President, COS

Cher Collègue,

Il me fait grand plaisir de vous inviter à participer aux 72<sup>e</sup> congrès et exposition annuels de la SCO. Ces assises, qui réunissent les ophtalmologistes et les membres des professions connexes de la santé, sont les plus importantes du genre au Canada. Cette activité regroupe en effet les personnes qui œuvrent dans toute la gamme des services de la santé visuelle, allant de la recherche aux soins des patients. Le programme scientifique comprendra des conférenciers invités de grande renommée, des exposés et des affiches. Le tout, mis au point par une remarquable équipe de haut savoir canadienne et internationale, promet d'excellentes occasions d'échanges et de formation. Le comité d'organisation, présidé par le D<sup>r</sup> Allan Slomovic, a regroupé plus de 25 symposiums qui couvriront pratiquement tous les aspects de l'exercice actuel de l'ophtalmologie.

Tenant compte des progrès techniques de la décennie, une grande exposition présentera les derniers équipements et services ophtalmologiques mis au point par une trentaine de sociétés du Canada et des É.-U. La SCO remercie tout particulièrement les entreprises commanditaires de leur soutien, sans lequel il nous serait impossible de tenir des assises de ce calibre et de cette ampleur.

Puis, pensez qu'une soirée spéciale vous attend, en commençant par un concert mettant en vedette le groupe Via Salzburg et le violoniste Mayumi Seiler, une des orchestres de chambre les plus reconnues du Canada. Le concert, qui se déroulera au Studio Glenn Gould, du centre de diffusion de Radio-Canada, sera suivi de l'usuel dîner de gala, occasion privilégiée de fraterniser entre collègues et amis.

Il me tarde de vous accueillir à ces assises annuelles. J'ai confiance que la SCO saura combler vos attentes en matière de formation et d'enrichissement pour tous les participants.

Le président,  
Lorne Bellan, MD, FRCS (C)



As incoming Chair of Continuing Professional Development (CPD), it gives me great pleasure to welcome you to the 72<sup>nd</sup> Annual Meeting of the Canadian Ophthalmological Society.

I would like to acknowledge the outstanding work done by the CPD planning committee and by our Executive Director, Hubert Drouin, and Inika Anderson, Manager of CPD, all of whom have worked together to bring you an outstanding scientific program composed of general sessions, subspecialty sessions and scientific posters. The success of this meeting is due largely to their tremendous efforts. There will be some significant changes in this year's meeting, which are highlighted below.



**Highlights of this year's meeting include:**

Dr Thomas Liesegang,  
*Canadian Journal of Ophthalmology* Lecturer:  
"Varicella Zoster Virus Vaccines:  
Effective but concerns linger"

Dr Alan Cruess,  
E.A. Baker Lecture:  
"The Cost of Vision Loss in Canada"

**New**

Canadian Research Meeting,  
Saturday June 20th at 9am

Surgical Workshops in Cornea  
and Glaucoma on Saturday June 20th

Ethics/Communications Grand Rounds  
on Informed Consent with Dr Alex Levin

COS Award for Excellence  
in Ophthalmic Research

A return of the "hard copy" poster  
sessions and the Best Poster Award

Through participation in this year's meeting, eye care professionals will:

- Increase their knowledge base and skills based on the educational needs of Canadian Ophthalmologists
- Learn about recent advances in Comprehensive Ophthalmology and in each of the subspecialty areas
- Meet with colleagues and internationally renowned guest speakers to discuss core concepts, new advances, and clinical experiences
- Meet with industry representatives in the Exhibit Hall to learn about new or recently introduced technology

I would like to express my thanks to my predecessor, Guillermo Rocha, for all the hard work he did in taking our annual meeting to new educational heights. With all the new innovations recently introduced into ophthalmology, this is truly an exciting time to be practicing. During my term as Chair of CPD, I would like to build on the extensive scope of this meeting in conjunction with its manageable size to provide each one of us with an outstanding learning opportunity. I look forward to seeing you in Toronto.

Allan R. Slomovic MA, MD, FRCS (C)  
Chair, Continuing Professional Development



À titre de nouveau président du Développement professionnel continu (DPC), il me fait grand plaisir de vous accueillir officiellement à ce 72<sup>e</sup> congrès annuel de la Société canadienne d'ophtalmologie.

Je veux souligner d'abord le travail remarquable qu'ont accompli le comité de planification du DPC ainsi que notre directeur général, Hubert Drouin, et la directrice du DPC, Inika Anderson, qui ont tous contribué à vous présenter ce remarquable programme scientifique dans le cadre de nos séances générales, de rencontres des surspécialités et des affiches scientifiques. La réussite de notre congrès sera grandement attribuable à leurs précieux efforts. Il s'ensuit que nos assises connaîtront, cette année, d'importantes modifications dont voici un aperçu.



**Voici quels seront les points saillants de notre rencontre :**

.....

Le D<sup>r</sup> Thomas Liesegang,  
conférencier du *Journal canadien d'ophtalmologie* :  
« Vaccins contre le virus de la varicelle et du zona –  
Efficaces, mais l'inquiétude subsiste »

Le D<sup>r</sup> Alan Cruess,  
conférencier E.A. Baker :  
« Le coût de la perte de vision au Canada »

.....

**Nouveau**

Échanges sur la recherche canadienne,  
le samedi 20 juin à 9h

Ateliers sur les chirurgies de la cornée et du  
glaucome, le samedi 20 juin

Éthique et communication  
Séances scientifiques sur le consentement éclairé,  
avec le D<sup>r</sup> Alex Levin

.....

Remise des Distinctions de la SCO pour l'excellence  
de la recherche en ophtalmologie

Retour des séances d'affiches « sur papier »  
et prix de la meilleure affiche

Par leur participation au congrès de cette année, les professionnels des soins oculaires pourront :

- Accroître leurs connaissances de base et leurs capacités en fonction des besoins de perfectionnement des ophtalmologistes canadiens
- S'informer des récents progrès de l'ophtalmologie générale et de chacune de ses surspécialisations
- Rencontrer les collègues et des conférenciers de renommée internationale pour discuter de notions fondamentales, des nouveaux progrès et des expériences cliniques
- Rencontrer les représentants de l'industrie à la salle d'exposition pour se renseigner sur les technologies nouvelles et récemment disponibles

Je souhaite remercier mon prédécesseur, Guillermo Rocha, de tout le travail qu'il a accompli pour amener notre congrès à de nouveaux sommets de perfectionnement. Avec toutes les innovations introduites récemment en ophtalmologie, l'exercice de la profession est devenu réellement intéressant. Pendant mon mandat à la présidence du DPC, je souhaite construire sur l'ampleur élargie de ces assises conjointement avec sa taille raisonnable pour offrir à chacun et à chacune d'entre nous une opportunité remarquable d'apprentissage. Il me tarde de vous saluer à Toronto.

Allan R. Slomovic, MA, MD, FRCS (C)  
Président, Développement professionnel continu



Guests of the **Canadian Ophthalmological Society**  
Invités de la **Société canadienne d'ophtalmologie**



**Alan Crandall, MD**  
Sr. Vice Chair, Professor (Clinical)  
- Glaucoma and Cataract, John A. Moran Eye Center, University of Utah, Salt Lake City UT USA  
*Current Concepts II  
Surgical Teaching*



**Alan Cruess, MD**  
Past-president, COS;  
Professor & Department Head of Ophthalmology, Dalhousie Faculty of Medicine, Queen Elizabeth II Health Sciences Centre, Halifax NS CAN  
*Current Concepts II*



**William J. Fishkind, MD**  
Clinical professor, University of Utah in Salt Lake City Utah,; Director of the Fishkind, Bakewell & Maltzman Eye Care And Surgery Center, Tucson, AZ USA  
*Current Concepts II  
Cataract Surgery*



**Thomas J. Liesegang, MD**  
Editor-in-Chief, American Journal of Ophthalmology  
Professor, Mayo Clinic, Jacksonville FL USA  
*Current Concepts I*



**Rohit Varma, MD MPH**  
Professor of Ophthalmology and Preventive Medicine, Director of the Glaucoma Service, Ocular Epidemiology Center and the Clinical Trials Unit, USC Keck School of Medicine, Los Angeles CA USA  
*Low Vision Rehabilitation*

**Subspecialty** guest speakers  
Conférenciers invités des **surspécialités**



**James Chodosh, MD**  
Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Howe Laboratory, Harvard Medical School, Boston MA USA  
*Canadian Uveitis Society*



**Sadeer B. Hannush, MD**  
Attending Surgeon, Cornea Service, Wills Eye Institute, Philadelphia, Pennsylvania USA  
*Current Concepts I  
Canadian Cornea, External Disease & Refractive Surgery*



**Paul Hiscott, MBBS, PhD**  
Professor and Consultant Ophthalmic Pathologist, University of Liverpool, Liverpool UK  
*Current Concepts II  
Canadian Ophthalmic Pathology Society*



**Aki Kawasaki, MD**  
Médecin-Associé, Hôpital Ophtalmique Jules Gonin, University of Lausanne Eye Centre, Lausanne, Switzerland  
*Canadian Neuro-ophthalmology Society*





**Subspecialty guest speakers**  
Conférenciers invités des **surspécialités**



**Normand Laperriere, MD**  
Associate Professor, Dept. of  
Radiation Oncology, University  
of Toronto  
Staff Radiation Oncologist, Princess  
Margaret Hospital/University Health  
Network, Toronto ON CAN  
*Current Concepts I*  
*Canadian Society of Oculoplastic &  
Reconstructive Surgery*



**Robert Ritch, MD**  
Shelley and Steven Einhorn  
Distinguished Chair in  
Ophthalmology, Surgeon Director  
and Chief of Glaucoma Services,  
The New York Eye and Ear  
Infirmary, Professor of Clinical  
Ophthalmology, New York Medical  
College, New York, NY USA  
*Canadian Glaucoma Society*



**Joan Miller, MD**  
Chief and Chair of Ophthalmology  
at the Mass. Eye and Ear Infirmary  
and Harvard Medical School, Henry  
Willard Williams Professor of  
Ophthalmology at MEEI,  
Boston MA USA  
*Current Concepts I*  
*Canadian Retina & Vitreous Society*



**Rengaraj Venkatesh, MBBS, DO**  
Deputy Chief Medical Officer,  
Aravind Eye Hospital, Pondicherry,  
India  
*Canadian Society for International  
and Public Health Ophthalmology*



**Anthony T. Moore, MD**  
Professor, Division of Inherited  
Eye Disease, Institute of  
Ophthalmology University  
College London,  
London UK  
*Canadian Association of  
Pediatric Ophthalmology*



**Steven E. Wilson, MD**  
Professor of Ophthalmology, Staff  
Cornea and Refractive Surgeon,  
Director of Corneal Research, The  
Cole Eye Institute, The Cleveland  
Clinic, Cleveland OH USA  
*Current Concepts II*  
*Canadian Cornea, External Disease  
& Refractive Surgery Society*



**David Payne, MD**  
Associate Professor, Department  
of Radiation Oncology, University  
of Toronto  
Staff Radiation Oncologist,  
Department of Radiation Oncology,  
Princess Margaret Hospital/  
University Health Network,  
Toronto, ON CAN  
*Canadian Society of Oculoplastic &  
Reconstructive Surgery*



Howard V. Gimbel, MD

*Lifetime  
Achievement Award*

*Reconnaissance  
pour l'ensemble d'une carrière*

The Canadian Ophthalmological Society is pleased to recognize member ophthalmologists who have made a significant contribution to eye care during their lifelong career in medicine.

This Lifetime Achievement Award is presented to individuals who had made a sustained impact nationally and internationally on the growth of the profession and who have maintained the highest standard of patient care in their practice. The recipient of this award has also been a strong and positive role model in the community and an exemplary mentor and educator.

This year, the Society is pleased to present this award to Howard V. Gimbel, MD, on Sunday June 21, 2009 at 1300 hrs in the Frontenac room of the Westin Harbour Castle hotel. Colleagues, friends and family are invited to attend this presentation to applaud this outstanding individual who has represented our profession at the highest professional and personal level.

La Société canadienne d'ophtalmologie a le plaisir de rendre hommage aux ophtalmologistes membres qui ont apporté une contribution importante aux soins oculaires pendant leur carrière.

La distinction Reconnaissance pour l'ensemble d'une carrière est décernée aux personnes qui ont influencé de façon soutenue la croissance de la profession à l'échelle nationale et internationale et maintenu dans leur pratique les normes les plus élevées de soins à leurs patients. Les récipiendaires ont aussi été des modèles solides et indéniables au sein de la collectivité ainsi que des mentors et éducateurs exemplaires.

Cette année, la Société présentera cette distinction à Howard V. Gimbel, MD, au cours du congrès annuel de Toronto, le 21 juin 2009 à 13 heures à la salle Frontenac de l'hôtel Westin Harbour Castle. Collègues, amis et familles sont invités à assister à cette présentation et à applaudir cette personne remarquable qui a représenté la profession au plus haut niveau d'excellence professionnelle et personnelle.



The Canadian Ophthalmological Society  
congratulates the recipients of the

***2009 COS Award  
for Excellence in  
Ophthalmic Research***

La Société canadienne d'ophtalmologie  
félicite les récipiendaires du

***Prix d'excellence de la  
SCO pour la recherche en  
ophtalmologie 2009***

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**First prize / Premier prix**

***Kay Lam***

University of Toronto

Title: **Defining the critical period for eye alignment development  
in infant primates: Effects of binocular decorrelation**

Poster presentation, Pediatrics and Strabismus, Tuesday, June 23

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**Second prize / Deuxième prix**

***Kenman Gan***

University of Alberta

Title: **Comparing Atherosclerotic Risk Factors between  
Amaurosis Fugax (AF) and Retinal Arterial Occlusions (RAO)**

Poster presentation, Retina, Monday, June 22

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**Third prize / Troisième prix**

***Corey Smith***

University of Western Ontario

Title: **Quantitatively modeling ocular drug flow  
using micro-CT acquired images**

Oral presentation, Retina, Monday, June 22, 0800-0930, Harbour A



Frontenac		page	Harbour A		page	Harbour B		Harbour C		page
<b>Saturday, June 20 • Samedi le 20 juin</b>										
0800-1100						Pathology Pathologie	27	Course - Cours Can. Research Meeting Recherche Canadienne <b>0900-1100</b>	17	
1000-1200						Pathology Pathologie	27			
Lunch • Déjeuner										
1300-1500			Course - Cours PowerPoint Introduction	18	Pathology Pathologie	27	Course - Cours Low Vision Rehab. Déf. visuelle : la réadaptation	16		
1530-1700			Course - Cours PowerPoint Advanced - Avancé	18	Pathology Pathologie	27				
<b>Sunday, June 21 • Dimanche le 21 juin</b>										
0800-0930	COS-1 Current Concepts 1 - (CJO Lecture) SCO-1 Notions courantes 1 - (Conf. du JCO)	20								
1030-1200	COS-2 Controversies in Pediatric Ophthal. SCO-2 Controverses en ophtal. pédiatrique	20	Neuro-ophthalmology Neuro-ophtalmologie	32	Uveitis Uvéite	27	Oculoplastics Oculoplastie	36		
Lunch • Déjeuner										
1300-1330	Lifetime Achievement Award Reconnaissance pour l'ensemble d'une carrière	10								
1330-1500	COS-12 Surgical Teaching Series SCO-12 Série d'enseignement de la chirurgie	26	Neuro-ophthalmology Neuro-ophtalmologie	32			Oculoplastics Oculoplastie	36		
1530-1700	Cornea Cornée	28					Neuro/Oculoplastics Neuro/Oculoplastie	36		
1700-1830	Welcome Reception - Metro Grand Ballroom / Réception d'accueil - Metro Grand Ballroom									59
<b>Monday, June 22 • Lundi le 22 juin</b>										
0800-0930	COS-6 Controversies in Glaucoma SCO-6 Controverses sur le glaucome	22	Retina Rétine	33	Cornea Cornée	28				
1030-1200	COS-7 Controversies in Retina SCO-7 Controverses concernant la rétine	23			Cornea Cornée	29	Glaucoma Glaucome	30		
Lunch • Déjeuner										
1330-1500	COS-8 Ethics and Communication Rounds SCO-8 Échanges sur l'éthique et la communication	23	Retina Rétine	34			Glaucoma Glaucome	30		
1530-1700	COS-9 Controversies in Cornea SCO-9 Controverses sur la cornée	24	Retina Rétine	35			Glaucoma Glaucome	31		
1900-2300	COS Social Event - An evening of music / Activité sociale de la SCO - Soirée de Musique									59
<b>Tuesday, June 23 • Mardi le 23 juin</b>										
0800-0930	COS-10 Cataract Surgery SCO-10 Chirurgie de la cataracte	24			Pediatrics Pédiatrie	38				
1030-1200	COS-11 Current Concepts II SCO-11 Notions courantes II	25								
Lunch • Déjeuner										
1330-1500	COS-3 Refractive Cataract Surgery SCO-3 Chirurgie réfractive de la cataracte	21			Pediatrics Pédiatrie <b>1245-1700</b>	38				
1530-1700	COS-13 Challenging Cataract Cases SCO-13 Les cas défis de la cataracte	26								



Pier 2 & 3	page	Pier 3	page	Pier 4	page	Pier 5	page	Pier 7 & 8	page	Dockside 3 & 9	page
Exhibitors' Forums Forums des exposants 0800-1900	19			Course - Cours Glaucoma Wet Lab Aqualabo : glaucome	15			CSOMP SCPMO	40		
								CSOMP SCPMO	40		
				Course - Cours Can. Cornea Consortium Aqualabo : cornée <b>1500-1730</b>	17			CSOMP SCPMO	40	TCOS Workshops Ateliers LSCO	42
								CSOMP SCPMO	40	TCOS Workshops Ateliers LSCO	42
		CSOMP SCPMO	40	CSORN SCIO	41						
		CSOMP SCPMO	40	CSORN SCIO	41						
		CSOMP SCPMO	40	CSORN SCIO	41	COS-4 Int'l Ophthalmology SCO-4 Ophtalmologie int.	21				
		CSOMP SCPMO	40	CSORN SCIO	41	COS 5 - Low Vision COS 5 - Déficience visuelle <b>1515-1700</b>	22				
<b>Welcome Reception - Metro Grand Ballroom / Réception d'accueil - Metro Grand Ballroom</b>											
						TCOS LSCO	42				
						TCOS LSCO	42				
						TCOS LSCO	42				
						TCOS LSCO	42				
<b>COS Social Event - An evening of music / Activité sociale de la SCO - Soirée de Musique</b>											




**Saturday, June 20 / Samedi 20 juin**

Time	Meeting	Convenor	Room
0700-1000	Canadian Orthoptic Council	P. Hamel, C. Day	Dockside 6
0800-0930	Royal College Executive Committee	W. Delpero	Dockside 2
0800-1000	ACUPO	S. El-Defrawy	Dockside 4
0900-1200	COS Council on Provincial Affairs	A. Budning	Dockside 5
1000-1200	Royal College Specialty Committee	W. Delpero	Dockside 2
1300-1500	CJO Editorial Board	P. Hooper, V. Bell	Dockside 4
1300-1500	IOA Congress	K. McMain	Dockside 6
1500-1700	Canadian Society of Ophthalmic Nurses Executive	R. Bickerton	Dockside 1
1500-1700	Maintenance of Certification	K. Romanchuk	Dockside 5
1700-2100	Canadian Orthoptic Council Annual General Meeting	C. Yang, C. Day	Dockside 6
1700-1900	Undergrad Directors	S. Baxter	Pier 6
1400-1600	COS Board of Directors	L. Bellan	Dockside 8

**Sunday, June 21 / Dimanche 21 juin**

Time	Meeting	Convenor	Room
0700-1030	CCOTP	C. York	Dockside 5
0100-1700	AMD	C. Lank	Dockside 9

**Monday, June 22 / Lundi 22 juin**

Time	Meeting	Convenor	Room
<b>0700-0800</b>	Canadian Ophthalmological Society Annual Business Meeting (Hot breakfast served)	L. Bellan COS President	Regatta
			
0700-0900	Residents Affairs	J. Wong	Dockside 8
0800-1100	COS Board of Directors	L. Bellan	Dockside 5
1200-1500	Eye Bank Committee	M. Gatien	Dockside 4
1900-2200	TCOS Executive	C. York	Dockside 4

**Tuesday, June 23 / Mardi 23 juin**

Time	Meeting	Convenor	Room
0700-0800	Christian Ophthalmologists	R. Buhrmann	Dockside 4
1000-1300	The Canadian Orthoptic Society Annual General Meeting	C. York	Pier 5
1200-1330	Council on Continuing Professional Development	A. Slomovic	Dockside 4



## Glaucoma Drainage Devices Wet Lab: Indications and Techniques Appareils de drainage du glaucome en aqualab Indications et techniques

Saturday, June 20 | 0800-1100 | Pier 4  
Samedi 20 juin

### Description

In this course, participants will be instructed on the indications, techniques and post-operative management including complications of glaucoma drainage devices. There will also be an opportunity to practice these techniques in the wet lab.

### Objectives - Objectifs

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

- articulate when a glaucoma drainage device (GDD) should be considered.

- understand the difference between flow restrictive and non-restrictive glaucoma drainage devices.
- appreciate when one type of GDD would be used, over another.
- recognize the potential complications during and following surgery and how best to prevent them.

À la fin de l'atelier, les participants pourront :

- juger quand il faudrait utiliser l'appareil de drainage du glaucome (ADG).
- comprendre la différence entre les appareils de drainage du glaucome réducteurs ou non de débit.
- apprécier quand il faudrait utiliser un type d'AGD plutôt qu'un autre.
- connaître les possibilités de complication pendant et après la chirurgie et comment les prévenir.

### Instructors

*Ahmed Glaucoma Valves*

Graham Trope, Robert Schertzer, Yvonne Buys

*Baerveldt Drainage Implant*

David Tingey, Paul Harasymowycz, Paul Rafuse, Marcelo Nicolela

### Moderators - Animateurs

Robert M. Schertzer, Yvonne Buys

0800	Opening remarks <b>Robert M Schertzer, Yvonne Buys</b> <i>Indications and mechanism of GDD</i>
0805	GDD indications <b>Yvonne Buys</b>
0810	Differences between Ahmed and Baerveldt implants <b>Yvonne Buys</b>
0810	Mechanics of implants <b>Whole group discussion</b>

	<i>Ahmed vs Baerveldt</i>
0820	Why I mostly use Ahmed Glaucoma Valves <b>Robert M Schertzer</b>
0825	Why I switched back to Baerveldt implants <b>David Tingey</b>
0830	Ahmed vs Baerveldt: which one and when? <b>Whole group discussion</b>
	<i>The surgical technique</i>
0840	Video presentation Ahmed Glaucoma Valve <b>Robert M Schertzer</b>
0850	Video presentation Baerveldt drainage implant <b>Paul Harasymowycz</b>
0900	Technique <b>Whole group discussion</b>

### Tips and tricks

0910	Tips and tricks to avoid intra-operative and post-operative complications <b>Graham Trope</b>
0915	Tips and tricks <b>Whole group discussion</b>
0925	Break

### Wet lab

0935	You will have the opportunity to spend your wet lab portion to gain hands-on experience with the Ahmed and Baerveldt drainage devices. You may choose to spend all your time on just one of these devices, or divide your time between each of these, depending on your personal learning needs.
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Although all the instructors have experience with both types of implant, currently Drs Trope, Schertzer and Buys primarily use Ahmed implants, and Drs Tingey, Harasymowycz, Rafuse and Nicolela use Baerveldt implants. They will be circulating between the workstations and can be flagged down as needed during this session.

### Discussion

1045	Throughout the wet lab portion, if questions arise that might be relevant to other course attendees, these teachable moments may be discussed openly amongst all those in attendance. Time will also be allocated after the wet lab portion for us to regroup in order to discuss what we have learned, in case there are practical points you would like to share with the group.
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## Practical Low Vision Rehabilitation

Practice templates, set-up dilemmas, resources and clinical examples

## Réadaptation pour déficience visuelle

Modèles de pratique, situations de dilemme, exemples de ressources et de clinique

Saturday, June 20 | 1300–1600 | Harbour C  
Samedi 20 juin

### Description

Low Vision Rehabilitation is the continuation of care after all other therapy means are exhausted. It is the standard of practice as decreed by the American Academy of Ophthalmology and recognized in Canada under most provincial health care plans. The workshop will detail practice templates which can be adopted by all ophthalmologists in their practice at individual desired levels of involvement and will address common set-up and running practice dilemmas. Participants are encouraged to bring PowerPoint slides and present low vision cases from their own practice for discussion in an open forum, as well as meet and share in the experience of colleagues practicing Low Vision Rehabilitation.

La réadaptation pour déficience visuelle fait suite aux soins, après épuisement de toutes les autres thérapies. C'est la pratique normale que décrète l'Académie américaine d'ophtalmologie et que le Canada reconnaît dans le cadre de la plupart des régimes de soins de santé des provinces. L'atelier traitera en détail des modèles de pratique que tous les ophtalmologistes peuvent adopter dans leur pratique selon le niveau de participation du patient, ainsi que des dilemmes courants en matière d'aménagement et de fonctionnement. Les participants sont invités à apporter des diapos PowerPoint et à présenter des cas de déficience visuelle de leur propre pratique pour en discuter ouvertement ainsi qu'à rencontrer les collègues et à partager avec eux leur expérience en pratique de réadaptation pour déficience visuelle.

### Objectives - Objectifs

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

- perform a low vision rehabilitation assessment on all low vision patients.
- prescribe devices and vision therapy sessions as needed.
- set up and integrate the practice of low vision rehabilitation in a general ophthalmology practice.

À la fin de la séance, tous les participants pourront :

- évaluer la réadaptation pour déficience visuelle chez un patient qui en est atteint.
- prescrire les appareils et séances de thérapie visuelle selon le besoin.
- établir et intégrer un service de réadaptation visuelle dans le cadre d'une pratique d'ophtalmologie générale.

### Moderator - Animateur

Samuel N. Markowitz

### Faculty

Linda Petty, OT / Lois Calder, OD / Michelle Markowitz, OT

1300	Introduction
1310	Public funding of Low Vision Rehabilitation in Ontario <b>Samuel N. Markowitz</b>
1325	A modular practice template for Low Vision Rehabilitation <b>Samuel N. Markowitz</b>
1340	Assessment of patients with low vision <b>Samuel N. Markowitz</b>
1400	Q&A
1415	Break
1430	Effective low-tech interventions in Low Vision Rehabilitation <b>Lois Calder</b>
1445	Advanced Low Vision Rehabilitation interventions <b>Samuel N. Markowitz</b>
1500	Current high tech options in Low Vision Rehabilitation <b>Linda Petty</b>
1515	Vision therapy training in Low Vision Rehabilitation <b>Michelle Markowitz</b>
1530	Open forum discussion of low vision cases
1545	Q&A





## Canadian Research Meeting

Important topics in ophthalmic research  
presented by international experts

### Rencontre sur la recherche canadienne

Sujets importants en recherche ophtalmologique  
présentés par des experts internationaux

Saturday, June 20 | 0900–1100 | Harbour C  
Samedi 20 juin

#### Objectives - Objectifs

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

- identify key strategies in preparing successful manuscripts for publication.
- understand important elements of clinical research, including how to go from phase 1 to phase 4 clinical trials and how to perform clinical trials and case reports.
- understand the importance of informed consent.
- understand how Institutional Review Boards (IRBs) function in research.

À la fin de la séance, tous les participants pourront :

- identifier les principales stratégies pour réussir la mise au point de manuscrits pour publication.
- comprendre les éléments de la recherche clinique, y compris le cheminement des essais cliniques des phase 1 à 4.
- comment effectuer les essais et rédiger les études de cas.
- comprendre l'importance du consentement éclairé.
- comprendre la fonction des commissions d'étude institutionnelles pour la recherche.

#### Moderator - Animateur

Phil Hooper, Martin Steinbach, Allan R Slomovic

#### Faculty

Thomas J. Liesegang, MD / Alan F. Cruess, MD  
David Maberley, MD

0900	Introduction <b>Allan Slomovic</b>
0905	Preparing manuscripts for publication <b>Thomas Liesegang</b>
0940	Discussion
0950	Clinical and translational research: from Phase I to Phase IV clinical trials
1020	Discussion
1030	Clinical trials: What have we learned about treating AMD? What do we need to know? <b>Alan Cruess</b>
1050	Discussion
1000	The case report: Is it a valid form of research? If so, how do you do it well? <b>David Maberley</b>
1120	Discussion
1130	The Meaning and need for informed consent <b>Thomas Liesegang</b>
1142	The need and function for IRBs in research <b>Thomas Liesegang</b>
1154	Discussion

## Canadian Cornea Consortium: Collagen cross-linking workshop

### Consortium canadien de la cornée Atelier sur la réticulation du collagène

Saturday, June 20 | 1500–1730 | Pier 4  
Samedi 20 juin

#### Objectives - Objectifs

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

- articulate the history, basic research and clinical applications of corneal cross-linking with Riboflavin and UVA.
- identify appropriate riboflavin formulations, surgical technique, consents and management of patients with ectatic corneal conditions.
- discuss the appropriate use of the UVA light source and experience the effects of cross-linking in a wet lab setting.

À la fin de la séance, tous les participants pourront :

- décrire clairement l'historique, la recherche fondamentale et les applications cliniques de la liaison de la cornée avec la Riboflavine et l'UVA.
- identifier les formules appropriées de riboflavine, la technique chirurgicale, le consentement et le traitement des patients atteints d'ectasie de la cornée.
- discuter de l'utilisation appropriée de la source de lumière UVA et expérimenter les effets de la liaison en « aqualabo ».

#### Moderator - Animateur

Guillermo Rocha

#### Faculty

Réjean Munger, PhD / Martin McCarthy, MD  
David Rootman, MD

1500	Introduction <b>Guillermo Rocha</b>
1505	Basics of CXL <b>Rejean Munger</b>
1520	Discussion
1525	Pre-op: Indications, contraindications, testing <b>Martin McCarthy</b>
1540	Discussion
1545	Equipment requirements <b>Guillermo Rocha</b>
1600	Discussion
1605	Procedure technique and post-operative care <b>David Rootman</b>
1620	Discussion
1625	Clinical results and Canadian experience <b>Raymond Stein</b>
1640	Panel discussion: What to expect? <b>All presenters</b>
1700	Wet lab experience



## PowerPoint for Physicians: Introductory techniques

### PowerPoint pour les médecins Introduction

Saturday, June 20 | 1300–1500 | Harbour A  
Samedi 20 juin

#### **Description**

This course is designed to introduce individuals to the use of MS PowerPoint to create multi-media oral presentations. Previous experience with PowerPoint is not required to participate in the course. The course will consist of using specific examples to demonstrate how many of the basic features of PowerPoint may be used to produce effective oral presentation slides. Opportunity will be provided for those in attendance to gain hands-on experience using PowerPoint on their own computer if they wish. Ample time will be dedicated to addressing specific questions that arise during the workshop.

#### **Description**

Ce cours a pour objet d'initier les gens à l'utilisation du logiciel MS PowerPoint pour créer d'efficaces présentations orales multimédias. Il n'est pas nécessaire de connaître les versions antérieures de PowerPoint pour suivre le présent cours. Celui-ci comporte des exemples particuliers pour démontrer comment utiliser plusieurs des caractéristiques de base de PowerPoint afin de présenter des exposés oraux efficaces avec diapositives. Les participants pourront aussi se pratiquer concrètement avec PowerPoint sur leur propre ordinateur s'ils le désirent. L'on a aussi prévu amplement de temps pour permettre d'approfondir des questions particulières qui pourraient surgir au cours de l'atelier.

#### **Presenter - Présentateur**

Bernard R. Hurley

#### **Objectives - Objectifs**

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

- articulate the basic features of PowerPoint.
- demonstrate increased knowledge and skill in the use of PowerPoint.
- produce effective multimedia oral presentations.

À la fin de la séance, les participants pourront :

- décrire clairement les caractéristiques fondamentales de PowerPoint.
- démontrer les nouvelles connaissances et compétences acquises par l'utilisation de PowerPoint.
- produire d'efficaces présentations orales multimédias.

## PowerPoint for Physicians: Advanced techniques

### PowerPoint pour les médecins Avancé

Saturday, June 20 | 1530–1700 | Harbour A  
Samedi 20 juin

#### **Description**

This course is designed to review advanced techniques for MS PowerPoint presentations that would be of interest to individuals with previous experience using PowerPoint. Specific examples will be provided to demonstrate how easy it is to use multi-media custom animation effects to make PowerPoint even more powerful, bringing oral presentations to life and improving their effect on the audience. Opportunity will be provided for those in attendance to gain hands-on experience using these techniques. Ample time will be dedicated to addressing specific questions that arise during the workshop.

#### **Description**

Ce cours a pour objet de revoir les techniques avancées de présentations MS PowerPoint qui pourraient intéresser ceux et celles qui connaissent déjà le logiciel. Des exemples particuliers permettront de démontrer la facilité d'utiliser sur mesure l'animation multimédia pour animer les présentations orales et en accentuer l'effet sur l'auditoire. Les participants auront la possibilité de pratiquer ces techniques sur place. L'on a aussi prévu amplement de temps pour permettre d'approfondir des questions particulières qui pourraient surgir au cours de l'atelier.

#### **Presenter - Présentateur**

Bernard R. Hurley

#### **Objectives - Objectifs**

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

- apply advanced techniques in PowerPoint.
- identify recent improvements and new features in PowerPoint.
- use multimedia custom animation effects.

À la fin de la séance, les participants pourront :

- appliquer les techniques avancées de PowerPoint.
- connaître les derniers développements et les nouvelles caractéristiques de PowerPoint.
- utiliser couramment les effets d'animation multimédias.



## *New this year!*

### **Exhibitor Forums**

Be sure to attend these intimate and informative sessions where you can learn even more about the latest research, new technologies and product innovations from our ophthalmic exhibitors.

## *Du nouveau cette année!*

### **Forums des exposants**

Ne ratez pas ces rencontres informelles et informatives où vous en puiserez davantage sur les dernières recherches, les nouvelles technologies et les innovations de nos exposants en ophtalmologie.

Saturday, June 20 | 0800–0930 | Pier 2/3  
Samedi 20 juin

#### **Recent Eye-deas**

An expert panel leading an interactive discussion on the latest in eye care

Pfizer Canada

Contact name: Lynn Heywood-McLean

Phone number: 514-693-4047

Email: lynn.heywood-mclean@pfizer.com

Saturday, June 20 | 1030–1200 | Pier 2/3  
Samedi 20 juin

#### **Glaucoma Advisory Meeting**

*By invitation only*

Allergan Inc.

Contact: Terry McDonald, Allergan Eye Care

Phone number: 905-940-7043

Email: mcdonald\_terry@allergan.com

Saturday, June 20 | 1300–1430 | Pier 2/3  
Samedi 20 juin

#### **Growing Your Refractive IOL Practice Today with Multifocal IOLs**

Abbott Medical Optics

Geoff Brodkorb

Phone number: 905-305-3304

Email: geoff.brodkorb@amo.abbott.com

Saturday, June 20 | 1530–1700 | Pier 2/3  
Samedi 20 juin

#### **New Carl Zeiss Meditec technology IOL and Devices – to Optimize Multifocal and Toric Outcomes**

Carl Zeiss Canada Ltd.

Contact name: Mike Dimitrov

Phone number: 416-442-3305

Email: mdimitrovas@zeiss.com

Saturday, June 20 | 1730–1900  
Samedi 20 juin

#### **Corneal Counterintelligence**

Alcon Canada Inc.

Contact name: Greg Tanguay

Phone number: 905-826-6700 x2201

Email: greg.tanguay@alconlabs.com



## Current Concepts I Notions courantes I

Sunday, June 21 | 0800–0930 | Frontenac  
Dimanche 21 juin

### Objectives - Objectifs

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

- discuss the diagnosis and management of Herpes Zoster Ophthalmicus and the new vaccine for the prevention of Herpes Zoster.
- understand ocular and systemic manifestations of patients with pseudoexfoliation syndrome.
- describe the use of radiotherapy in patients with Graves' Disease.
- discuss new corneal transplantation techniques to better manage patients with corneal edema and cataracts.
- integrate core concepts and identify best practices and new advances to confirm present practices and solidify opportunities for improving patient care.

À la fin de la session, les participants pourront :

- discuter du diagnostic et de la gestion de l'herpès-zoster ophtalmique et du nouveau vaccin pour prévenir l'herpès-zoster.
- comprendre les manifestations oculaires et systémiques du syndrome de pseudoexfoliation chez les patients.
- décrire l'utilisation de la radiothérapie chez les patients atteints de la maladie de Graves.
- traiter des nouvelles techniques de transplantation pour mieux gérer les patients atteints d'œdème cornéen et de cataracte.
- intégrer les notions fondamentales et identifier les meilleures procédures et les nouveaux progrès pour confirmer les procédures courantes et consolider les occasions d'améliorer le soin des patients.

### Guests - Invités

Thomas Liesegang, MD / James Chodosh, MD / Normand Laperriere, MD / Sadeer Hannush, MD / Joan Miller, MD

### Moderator - Animateur

Allan Slomovic

0800	Welcome <b>Allan Slomovic</b>
0805	<b>CJO Lecture:</b> Varicella Zoster virus vaccines: Effective but concerns linger <b>Thomas Liesegang</b>
0820	Discussion
0825	Paradigms in keratoprosthesis <b>James Chodosh</b>
0835	Discussion
0840	Radiotherapy for Graves' Disease <b>Normand Laperriere</b>
0850	Discussion
0855	EK/CE/IOL: The new corneal triple procedure, simultaneous or sequential <b>Sadeer Hannush</b>
0905	Discussion
0910	<b>Royal College Lecture:</b> Treatment of AMD: Beyond VEGF <b>Joan Miller</b>
0925	Discussion
0930	Adjournment

## Controversies in Pediatric Ophthalmology & Strabismus

Early surgery for infantile esotropia and presymptomatic diagnosis in children with eye disease

## Controverses en ophtalmologie pédiatrique et strabisme

Chirurgie précoce pour ésoptropie infantile et diagnostic présymptomatique chez les enfants ayant une maladie oculaire

Sunday, June 21 | 1030–1200 | Frontenac  
Dimanche 21 juin

### Objectives - Objectifs

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

- assess the need for infantile esotropia surgery at a young age.
- assess when presymptomatic diagnosis of children with genetic eye disease should be done.

À la fin de la session, les participants pourront :

- estimer dès le jeune âge le besoin de chirurgie pour l'ésoptropie infantile.
- estimer le moment où il faudrait poser le diagnostic présymptomatique de l'enfant qui a une maladie oculaire génétique.

### Guest - Invité

Anthony Moore, MA, BM, BCH

### Moderator - Animateur

Patrick Hamel

1030	Early surgery for infantile esotropia: How early is early? <b>Anthony Moore</b>
1045	Early surgery for infantile esotropia (Controversy) <b>Michael O'Connor</b>
1100	Discussion
1115	Presymptomatic molecular diagnosis in children with genetic eye disease <b>Anthony Moore</b>
1130	Presymptomatic molecular diagnosis in children with genetic eye disease (Controversy) <b>Alex V. Levin</b>
1145	Discussion



## Refractive Cataract Surgery Chirurgie réfractive de la cataracte

Tuesday, June 23 | 1330–1500 | Frontenac  
Mardi 23 juin

### Objectives - Objectifs

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

- identify the components of refractive cataract surgery.
- recognize how IOL spherical aberration, Presbyopic IOL and Toric IOL selection affects refractive cataract surgery.
- integrate the principles of refractive surgery into their daily surgical practice.

À la fin de la session, les participants pourront :

- connaître les composantes de la chirurgie réfractive de la cataracte.
- reconnaître comment les aberrations sphériques de la LIO et le choix des LIO presbyopiques et toriques affectent la chirurgie réfractive de la cataracte.
- intégrer les principes de la chirurgie réfractive dans leur pratique chirurgicale quotidienne.

### Guest - Invité

William J. Fishkind, MD

### Moderators - Animateurs

Allan Slomovic, Neera Singal

- |      |   |
|------|---|
| 1330 | Age dependence and the degree of cyclorotation between the upright and supine position<br><b>Amber Z. Sheikh, Michael Chow, Jim Underhill</b>   |
| 1337 | Refractive Cataract Surgery<br><b>William Fishkind</b>  |
| 1352 | Clinical performance of the AcrySof toric intraocular lens (IOL) in Canadian patients with bilateral cataracts and corneal astigmatism<br><b>Guillermo Rocha, Ike Ahmed, Daniel Belliveau, John Blaylock, Harold Climenhaga, Pierre Faber, Jit Gohill, Alain Gregoire, Francis Law, Joseph Ma, Dominique Meyer, Allan Slomovic, Raymond Stein</b> |
| 1359 | Discussion  |
| 1409 | Early outcomes for presbyopia correction with the Acrilisa Multifocal IOL<br><b>Christoph Kranemann, Vladimir Tzimis, Carmen Balian</b>   |
| 1416 | Clinical results of the RESTOR +4 Aspheric Multifocal Intraocular Lens in Canada<br><b>Eric S. Tam</b>  |
| 1430 | Comparison of Tetraflex IOL to an age matched monofocal control IOL<br><b>David Brown</b>   |
| 1437 | Single Optic Accommodating IOLs. Do they work?<br><b>George Beiko</b>   |
| 1448 | Discussion  |

## International Ophthalmology Manual sutureless cataract surgery - a practical short course for phaco surgeons

### Ophtalmologie internationale

Manuel de chirurgie de la cataracte sans suture –  
Bref cours pratique de phaco pour les chirurgiens

Sunday, June 21 | 1330–1500 | Pier 5  
Dimanche 21 juin

### Objectives - Objectifs

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

- describe the required instrumentation, set-up and component steps of successful manual small incision cataract surgery.
- discuss appropriate case selection for manual small incision cataract surgery, and how to prevent and successfully manage common complications.
- understand the advantages of manual small incision cataract surgery for preventing cataract blindness in the developing world and be aware of opportunities for Canadian ophthalmologists to learn, teach and promote the technique.

À la fin de la session, les participants pourront :

- décrire l'instrumentation requise, l'installation et les étapes pour réussir la chirurgie de la cataracte manuelle par petite incision.
- discuter du choix pertinent des cas de chirurgie de la cataracte manuelle par petite incision et des moyens de prévenir et maîtriser les complications usuelles.
- comprendre les avantages de la chirurgie de la cataracte manuelle par petite incision pour prévenir la propagation dans le monde de la cécité due à la cataracte et prendre conscience des possibilités des ophtalmologistes canadiens d'apprendre, enseigner et promouvoir cette technique.

### Guest - Invité

Rengaraj Venkatesh, MBBS, DO

### Moderators - Animateurs

Ralf Buhmann, Martin Spencer

- |      |   |
|------|---|
| 1330 | Hope for eliminating cataract blindness – is manual sutureless cataract surgery the answer?<br><b>Ralf Buhmann</b>                          |
| 1334 | Delivering sustainable high volume high quality cataract surgery – the Aravind story<br><b>Rengaraj Venkatesh</b>                           |
| 1339 | The fine art of manual sutureless cataract surgery<br><b>Rengaraj Venkatesh</b>   |
| 1359 | Pearls and pitfalls in managing difficult cases and common complications of manual sutureless cataract surgery<br><b>Rengaraj Venkatesh</b> |
| 1419 | Teaching and transitioning to manual sutureless cataract surgery<br><b>Martin Spencer</b>   |
| 1428 | Learning and integrating manual sutureless cataract surgery into practice - a phaco surgeon's journey<br><b>S Gupta</b>                     |
| 1437 | Panel discussion  |



## Low Vision Rehabilitation Science advancing quality of life

### Réadaptation pour déficience visuelle Effets bénéfiques de la science sur la qualité de vie

Sunday, June 21 | 1515–1700 | Pier 5  
Dimanche 21 juin

#### Objectives - Objectifs

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

- appreciate the complexity of low vision rehabilitation research.
- understand the importance of low vision rehabilitation in clinical practice.
- address integration of low vision rehabilitation in ophthalmology practice.

À la fin de la session, les participants pourront :

- apprécier la complexité de la recherche sur la réadaptation avec déficience visuelle.
- comprendre l'importance de la réadaptation avec déficience visuelle en pratique clinique.
- aborder l'intégration de la réadaptation avec déficience visuelle dans l'exercice de l'ophtalmologie.

#### Guest - Invité

Rohit Varma, MD, MPH

#### Moderator - Animateur

Mary Louise Jackson

1515	Introduction <b>Mary-Louise Jackson</b>
1517	Barriers to vision rehabilitation: Demographics and impact on clinical practice <b>Nicole Robillard</b>
1528	The impact of glaucomatous visual field loss on quality of life <b>Rohit Varma</b>
1544	The Charles Bonnet Syndrome in patients with glaucoma <b>Mary-Louise Jackson</b>
1555	The Canadian Uncorrected Refractive Error study <b>Keith Gordon</b>
1606	Discussion
1617	Come and meet the PRLs from your waiting room! <b>Sophia Reyes</b>
1628	PRLs and OCTs –the relationship <b>Kwezi McGuire</b>
1639	Biofeedback Training Method for eccentric reading in patients with age-related macular degeneration <b>Luminita Tarita-Nistor</b>
1649	Discussion

## Controversies in Glaucoma Controverses sur le glaucome

Monday, June 22 | 0800–0930 | Frontenac  
Lundi 22 juin

#### Objectives - Objectifs

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

- recognize the associations of exfoliation syndrome.
- develop an algorithm for the position of trabeculoplasty in glaucoma management.
- define the role of guidelines in clinical practice.
- understand surgeon qualifications for glaucoma drainage device surgery.

À la fin de la session, les participants pourront :

- reconnaître les associations du syndrome d'exfoliation.
- élaborer un algorithme de positionnement de la trabéculoplastie dans le traitement du glaucome.
- définir le rôle des guides de pratique clinique.
- comprendre les qualifications du chirurgien pour l'installation des appareils de drainage pour le glaucome.

#### Guest - Invité

Robert Ritch

#### Moderators - Animateurs

Yvonne Buys, MD / Neeru Gupta, MD

0800	Ocular and systemic associations of exfoliation syndrome <b>Robert Ritch</b>
0820	Discussion
0825	Laser trabeculoplasty as initial glaucoma therapy (7 minutes each) PRO – <b>Paul Harasymowycz</b> CON – <b>Karim Damji</b>
0839	Discussion (3 minute rebuttal each)
0845	Glaucoma guidelines are useful PRO – <b>Paul Rafuse</b> CON – <b>James Taylor</b>
0859	Discussion (3 minute rebuttal each)
0905	Glaucoma drainage device surgery should be performed only by glaucoma specialists PRO – <b>Robert Schertzer</b> CON – <b>Robert Campbell</b>
0919	Discussion (3 minute rebuttal each)





## Controversies in Retina Controverses concernant la rétine

Monday, June 22 | 1030–1200 | Frontenac  
Lundi 22 juin

### Objectives - Objectifs

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

- discuss current controversies facing retina specialists.
- describe the relative advantages and disadvantages.
- discuss treatment strategies for retinal detachment.
- debate the merits of alternate management strategies for retinal diseases.

À la fin de la session, les participants pourront :

- discuter des controverses courantes chez les spécialistes de la rétine.
- décrire les avantages et les désavantages relatifs et discuter des stratégies de traitement du décollement de la rétine.
- débattre des mérites des diverses stratégies de gestion des maladies de la rétine.

### Moderator - Animateur

David Maberley

1030	Is photodynamic therapy (PDT) needed anymore in the management of wet AMD? For: <b>Mila Oh</b> Against: <b>Murray Erasmus</b>
1050	Discussion
1100	20 vs 24/25 vitrectomy for primary RD For: <b>David Chow</b> Against: <b>Michael Kapusta</b>
1120	Discussion
1130	Diabetic macular edema: Anti-VEGF therapy vs Laser Pro anti-VEGF: <b>Geoff Williams</b> Pro Laser: <b>Wai-Ching Lam</b>
1150	Discussion

## Ethics and Communication Rounds Informed consent: What do I say and how do I say it?

### Échanges sur l'éthique et la communication

#### Le consentement informé : Qu'est-ce que je dis et comment?

Monday, June 22 | 1330–1500 | Frontenac  
Lundi 22 juin

### Objectives - Objectifs

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

- discuss the basic principles of informed consent.
- identify strategies to communicate possible adverse events to patients.
- understand the issues of informed consent for non-insured services.

À la fin de la session, les participants pourront :

- discuter des principes de base du consentement éclairé.
- identifier les moyens d'informer les patients sur les possibilités d'effets secondaires.
- comprendre la difficulté du consentement informé pour les services non assurés.

### Moderator - Animateur

Alex V. Levin

1330 | This interactive session will explore the concept of informed consent through role playing. Topics to be discussed include the basics of informed consent, disclosure of possible adverse events, and informed consent for non-essential services.

Cette session d'échanges approfondira les notions de base du consentement éclairé par le biais de jeux de rôle dont les sujets porteront sur le consentement éclairé, l'exposé des effets secondaires possibles et le consentement pour les services non essentiels.



## Controversies in Cornea Controverses sur la cornée

Monday, June 22 | 1530–1700 | Frontenac  
Lundi 22 juin

### Objectives - Objectifs

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

- integrate knowledge from surgical, medical and refractive techniques pertaining to the cornea.
- demonstrate enhanced ability to manage challenging cornea cases.
- compare different approaches in the management of corneal cases.

À la fin de la session, les participants pourront :

- assimiler les nouvelles techniques chirurgicales, médicales et réfractives de la cornée.
- faire état d'une plus grande capacité de gérer les défis que posent les cas cornéens.
- comparer les diverses façons d'aborder la gestion des cas cornéens.

### Moderators - Animateurs

Joseph Ma, Allan Slomovic, Guillermo Rocha

The Good, the bad and the ugly:

Corneal Controversies

1530	Welcome
1533	Medical Sub epithelial infiltrates after EKC <b>Allan Slomovic</b> Mystery case <b>Mona Harissi-Dagher</b> Acanthamoeba keratitis <b>Jeffrey Sher</b>
1600	Refractive Phaco post radial keratotomy <b>Johanna Choremis</b> Value of posterior curvature in deciding LASIK or PRK <b>Simon Holland</b> How would you manage this case? <b>W. Bruce Jackson</b>
1630	Surgical Axenfeld Reiger syndrome and keratoprosthesis CXL? <b>Joseph Ma</b>
	SINS post Pterygium Surgery <b>Neera Singal</b>

## Cataract Surgery Chirurgie de la cataracte

Tuesday, June 23 | 0800–0930 | Frontenac  
Mardi 23 juin

### Objectives - Objectifs

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

- demonstrate improved understanding of the basic interrelationship of vacuum, flow and power to improve phacoemulsification efficiency.
- discuss the principles of longitudinal and non longitudinal phaco power and utilize them effectively.
- understand the management of surge for safer surgical outcomes.
- identify phaco machine similarities and differences.

À la fin de la session, les participants pourront :

- faire état d'une meilleure compréhension de la corrélation entre le vide, le flux et la puissance pour améliorer l'efficacité de la phacoémulsification.
- discuter des principes de la puissance phaco longitudinale et non longitudinale et l'utiliser efficacement.
- identifier les similarités et les différences des appareils phaco.

### Guests - Invités

William J. Fishkind, MD / Alan Crandall, MD

### Moderators - Animateurs

Malcolm Banks, Robert Pekush

0800	Monitored Anesthesia Care by Registered Respiratory Therapists during Cataract Surgery - An update <b>Peter A. Zakrzewski, Alexander V. Banashkevich, Tammy Friel, Rosa Braga-Mele</b>
0807	A comparison of post-operative intraocular pressure following phacoemulsification with and without the use of anti-glaucoma drugs <b>Riley Hall, Robert Mitchell</b>
0814	Is smaller truly better? An evaluation of phaco incision size and astigmatism <b>Rosa Braga-Mele</b>
0821	Practical phaco: Understanding machine-speak while performing phaco <b>William Fishkind</b>
0835	Discussion
0845	Intraoperative floppy iris syndrome and cataract surgery complications associated with alpha-blocker medications <b>Susan K. Lindley, Silvin Bakalian, Mostafa Elhilali, Miguel N. Burnier</b>
0852	Managing pseudoexfoliation, intraoperative floppy iris syndrome and other small pupils <b>Allan Crandall</b>
0904	What is the incidence of postoperative endophthalmitis when using topical prophylaxis and clear corneal incisions? <b>John C. Lloyd, Rosa Braga-Mele</b>
0911	The Canadian & worldwide status of simultaneous bilateral cataract surgery (SBCS) in 2009 <b>Steve A. Arshinoff</b>
0918	Discussion





## Current Concepts II Notions courantes II

Tuesday, June 23 | 1030–1200 | Frontenac  
Mardi 23 juin

### Objectives - Objectifs

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

- identify key factors contributing to the cost of vision loss in Canada.
- identify new trends in the diagnosis and management of patients with chronic dry eye.
- articulate strategies to better manage cataract surgery in patients with pseudoexfoliation.
- understand the physics of phacoemulsification.
- describe the pathology of proliferative vitreoretinopathy.
- integrate core concepts and identify best practices and new advances to confirm present practices and solidify opportunities for improving patient care.

À la fin de la session, les participants pourront :

- identifier les facteurs clés contribuant au coût de la perte de vision au Canada.
- identifier les nouvelles tendances du diagnostic et de la gestion des patients atteints de l'œil sec chronique.
- décrire en détail stratégies pour mieux gérer la chirurgie de la cataracte chez les patients ayant une pseudoexfoliation.
- comprendre les éléments physiques de la phacoémulsification.
- décrire la pathologie de la vitréorétinopathie.
- intégrer les notions fondamentales et identifier les meilleures pratiques et les nouveaux progrès pour confirmer la pratique actuelle et consolider les possibilités d'amélioration du soin des patients.

### Guests - Invités

Allan F. Cruess, MD / Steve Wilson, MD / Alan Crandall, MD / William Fishkind, MD / Paul Hiscott, MBBS

### Moderator - Animateur

Allan Slomovic

1030	Welcome <b>Allan Slomovic</b>
1035	<b>E.A. Baker Lecture:</b> The cost of vision loss in Canada <b>Allan F. Cruess</b>
1045	Discussion
1050	Presentation of the E.A. Baker Award
1055	New trends in the diagnosis and treatment of chronic dry eye <b>Steve Wilson</b>
1105	Discussion
1110	Update in cataract surgery in patients with pseudoexfoliation syndrome <b>Alan Crandall</b>
1120	Discussion
1125	The physics of phaco: Taming new technology <b>William Fishkind</b>
1135	Discussion
1140	Proliferative vitreoretinopathy: pathology and prospects <b>Paul Hiscott</b>
1150	Discussion



## Surgical Teaching Series Intraoperative floppy iris syndrome (IFIS) and small pupil management Série enseignement chirurgical La gestion du syndrome de l'iris hypotonique peropératoire (SIHP) et de la petite pupille

Sunday, June 21 | 1330–1500 | Frontenac  
Dimanche 21 juin | |

### Objectives - Objectifs

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

- develop an approach to small pupil and IFIS management.
- utilize a variety of surgical techniques and adjuncts in managing the small pupil.
- adopt preoperative and intraoperative strategies in managing the patient with IFIS.

À la fin de la session, les participants pourront :

- développer une approche de gestion de la petite pupille et du SIHP.
- utiliser diverses techniques chirurgicales pour gérer la petite pupille.
- adopter des stratégies préopératoire et peropératoires de gestion du patient atteint du SIHO.

### Guest - Invité

Alan S. Crandall, MD

### Moderator - Animateur

Ike K. Ahmed

1330	Introduction/Small pupil algorithm and principles
1335	Surgical pearls in small pupils
1345	Ophthalmic viscosurgical devices
1355	Discussion/Q&A
1405	Pupil stretching techniques
1410	Pupil cutting techniques
1415	Discussion/Q&A
1425	Grading IFIS and specific IFIS strategies
1435	Pharmacologic therapy – topical and intracameral agents
1440	Mechanical pupillary expansion devices: retractors and rings
1450	Discussion/Q&A

## Challenging Cataract Cases Les cas défis de la cataracte

Tuesday, June 23 | 1530–1700 | Frontenac  
Mardi 23 juin | |

### Objectives - Objectifs

This session will include highly interactive case-based discussions with a panel of local and internationally known experts.

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

- demonstrate increased knowledge of the management of some of the challenges encountered during cataract surgery, such as: anterior vitrectomy using Kenalog, repair of detached Descemet's membrane and management of loose zonules.

Cette séance comprend de vives discussions de cas avec un panel de spécialistes de renom local et international

À la fin de la session, les participants pourront :

- faire état de nouvelles connaissances sur la gestion de certains défis rencontrés en chirurgie de la cataracte, notamment : la vitrectomie antérieure avec le kenalog, la réparation d'un détachement de la membrane de Descemet et la gestion du relâchement des zonules.

### Moderators - Animateurs

Rosa Braga Mele, Jit Gohill

### Panelists - Panélistes

Ike Ahmed, MD / Alan Crandall, MD

William J. Fishkind, MD / Rengaraj Venkatesh, MBBS, DO

1530	Introduction Lindsay Ong-Tone
1535	Interactive discussion of some challenging cases during cataract surgery



## Canadian Ophthalmic Pathology Society Société canadienne de la pathologie oculaire

### Case Presentations Présentations de cas

Saturday, June 20 | 0800–1700 | Harbour B  
Samedi 20 juin

#### **Objectives - Objectifs**

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

- understand the histopathological diagnosis of ocular and adnexal diseases.
- discuss pathogenetic concepts, clinical manifestations, laboratory diagnosis, and management of such diseases.

À la fin de la session, les participants pourront :

- comprendre le diagnostic histopathologique des maladies oculaires et annexielles.
- traiter des notions pathogéniques, des manifestations cliniques, du diagnostic en laboratoire et du traitement de ces maladies.

#### **Guest - Invité**

Paul Hiscott, MBBS

#### **Moderator - Animateur**

J.G. Heathcote

0800 | Case presentations and discussion

## Canadian Uveitis Society Société canadienne de l'uvéite

### The Spectrum of Herpetic Eye Disease

### Le spectre de la maladie oculaire herpétique

Sunday, June 21 | 1030–1200 | Harbour B  
Dimanche 21 juin

#### **Objectives - Objectifs**

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

- understand the many manifestations of Herpes Simplex in terms of ocular presentations.
- understand the management of Herpes Simplex in its different eye manifestations.
- learn new and emerging ideas regarding Herpetic Stromal Disease.

À la fin de la session, les participants pourront :

- comprendre les nombreuses manifestations oculaires de l'herpès simplex.
- comprendre la gestion de l'herpès simplex dans ses différentes manifestations oculaires.
- apprendre de nouvelles et émergentes perceptions au sujet de la maladie stromale herpétique.

#### **Guest - Invité**

James Chodosh, MD

#### **Moderators - Animateurs**

William Hodge, Larissa Dzulynsky

- |      |   |
|------|---|
| 1030 | Epithelial disease: Treatment strategies<br><b>Mili Roy</b>                                   |
| 1039 | Herpetic iridocyclitis: What we know and what we don't know<br><b>Larissa Dzulynsky</b>       |
| 1048 | Neurotrophic keratitis: There is some hope in 2009<br><b>William Hodge</b>                    |
| 1057 | Glaucoma from herpetic keratouveitis-treatment pearls<br><b>David Tingey</b>                  |
| 1106 | Acute retinal necrosis: Early and late treatment<br><b>Phil Hooper</b>                        |
| 1115 | Stromal keratitis—the blinding eye condition: Traditional and new ideas<br><b>Jim Chodosh</b> |
| 1137 | Questions and discussion<br><b>All presenters and audience</b>                                |



## Canadian Cornea, External Disease & Refractive Surgery Society Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive

### Surgical Cornea Chirurgie de la cornée

Sunday, June 21 | 1530–1700 | Frontenac  
Dimanche 21 juin

#### Objectives - Objectifs

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

- integrate knowledge from new surgical techniques.
- demonstrate enhanced ability to manage challenging cases in anterior segment surgery.
- compare different approaches to corneal transplantation.

À la fin de la session, les participants pourront :

- assimiler les nouvelles techniques chirurgicales.
- faire état d'une plus grande capacité de gérer les défis que posent les cas de chirurgie du segment antérieur.
- comparer les diverses façons d'aborder la transplantation de la cornée.

#### Guest - Invité

Sadeer Hannush, MD

#### Moderators - Animateurs

Simon Holland, Johanna Choremis

- 1530 Welcome
- 1533 Efficacy of routine notification and request on reducing corneal transplantation wait times in Canada  
**Mahta Rasouli, Valerie B. Caraiscos, Allan R. Slomovic**
- 1540 Discussion
- 1541 Videoconference on challenging cornea and anterior segment cases  
**Sadeer Hannush**
- 1606 Functional outcome of corneal transplantation using tissue engineered corneal donor in the animal model  
**Isabelle Brunette, Stéphanie Proulx, Ossama Nada, Thouria Bensaoula, Caroline Audet, Jeanne d'Arc Uwamaliya, Angèle Devaux, Guy Allaire, Lucie Germain**
- 1613 Biosynthetic collagen-based cornea constructs for deep lamellar grafts  
**W. Bruce Jackson, May Griffith, Neil Lagali, Kimberley Merrett**
- 1620 Vacuum-assisted delivery of corneal tissue: Innovative approach to corneal button delivery in Descemet Stripping with Endothelial Keratoplasty (DSEK)  
**Ahmed R. Al-Ghoul**
- 1627 Discussion

- 1630 DALK: How to transfer knowledge to the converting surgeon  
**Sadeer Hannush**
- 1640 Discussion
- 1644 Comparative cohort study of femtosecond laser-assisted mushroom configuration DALK and manual straight-edge configuration DALK  
**Clara C. Chan, Rusty J. Ritenour, Irit Bahar, David S. Rootman**
- 1651 Economic impact of posterior lamellar keratoplasty in Canada  
**Catherine Beauchemin, Isabelle Brunette, Jean Lachaine**
- 1658 Discussion and closing remarks

### Medical Cornea Médecine de la cornée

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

#### Objectives - Objectifs

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

- demonstrate enhanced ability to manage challenging cases such as ocular surface neoplasia.
- compare different approaches to corneal medical treatment.

À la fin de la session, les participants pourront :

- assimiler les nouvelles techniques de diagnostic.
- faire état d'une plus grande capacité de gérer les défis que posent les cas comme la néoplasie de la surface oculaire.
- comparer les diverses façons d'aborder le traitement médical de la cornée.

#### Guests - Invités

Sadeer Hannush, MD / Thomas Liesegang, MD  
James Chodosh, MD

#### Moderators - Animateurs

Mona H Dagher, Allan Slomovic

- 0800 Welcome
- 0802 A bug's life: Overview for the cornea specialist  
**Rookaya Mather**
- 0809 Discussion
- 0812 Acantamoeba keratitis: newer concepts  
**Thomas Liesegang**
- 0822 Discussion
- 0825 Painless Acanthamoeba Keratitis: A rare case series  
**Shefalee Shukla, A. Tokarewicz, R Mather**
- 0832 Predicting intraocular involvement in Herpes Zoster Ophthalmicus.  
**Robert Adam, Noah Vale, Mark Bona, Khalid Hasanee, Forough Farrokhvar**



## Canadian Cornea, External Disease & Refractive Surgery Society Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive

### Medical Cornea (continued) Médecine de la cornée (suite)

0839	Ocular presentation of vitamin A deficiency after gastric bypass surgery <b>Hashem S. Almarzouki, Devinder Cheema, Robert Gizicki</b>
0846	Discussion
0851	Office corneal procedures <b>Sadeer Hannush</b>
0901	Discussion
0903	Ocular surface squamous neoplasia <b>James Chodosh</b>
0913	Discussion
0915	Topical treatment with 1% Cyclosporine for chronic adenoviral keratitis <b>Wiwan Sansanayudh, Eliya Levinger, Alana Slomovic, Irit Bahar, Allan Slomovic</b>
0922	Conjunctival concretions as a complication of contact lens related conjunctivitis <b>Peter Lee, William Astle</b>
0929	Discussion and closing remarks

### Refractive Surgery Chirurgie réfractive

Monday, June 22 | 1030–1200 | Harbour B  
Lundi 22 juin

#### Objectives - Objectifs

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

- integrate knowledge from new refractive surgical techniques.
- demonstrate enhanced ability to manage complicated cases in anterior segment surgery, such as ectasia and haze formation.
- compare different approaches to corneal imaging.

À la fin de la session, les participants pourront :

- assimiler les nouvelles techniques de la chirurgie réfractive.
- faire état d'une plus grande capacité de gérer les cas compliqués de chirurgie du segment antérieur, comme l'ectasie et la haze.
- comparer les diverses façons d'aborder l'imagerie de la cornée.

#### Guest - Invité

Stephen Wilson, MD

#### Moderators - Animateurs

David Rootman, Ron Baldassare

1030	Welcome
1033	<b>W. Bruce Jackson Lecture</b> Corneal haze: Etiology and prevention <b>Steve Wilson</b>
1048	Discussion and presentation of award

1058	Axis distribution of topographic corneal astigmatism <b>Dominik W. Podbielski, Santos Tseng, Joseph J. Ma</b>
1105	Optimization of spherical aberration with intraocular lens surgery <b>Christoph Kranemann, Carmen Balian</b>
1112	Histological and biological comparison of corneal epithelium removal by delaminator and alcohol-assisted methods <b>Michel Belliveau, Walter Liao, Patrick Gooi, Seymour Brownstein, W. Bruce Jackson, George Mintsoulis, Ralf Buhmann, May Griffith</b>
1119	Discussion
1121	New aspects in the management of astigmatism <b>Rejean Munger</b>
1128	Discussion
1130	Ectasia prevention and management <b>Steve Wilson</b>
1145	Discussion
1150	The effect of Lacritin on human corneal epithelial cells exposed to Benzalkonium Chloride or Tert-Butyl Hydroperoxide <b>Julia Baryla, Dinesh Bhayana, Hong Liu, Robert L. McKown, Gordon W. Laurie, Cindy M. L. Hutnik</b>
1157	Discussion
1159	Closing remarks



## Canadian Glaucoma Society Société canadienne du glaucome

Monday, June 22 | 0930–1200 | Harbour C  
Lundi 22 juin

### **Objectives - Objectifs**

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

- understand diurnal impact in normal tension glaucoma.
- look forward to future glaucoma treatment.
- develop a therapeutic paradigm for exfoliation syndrome.

À la fin de la session, les participants pourront :

- comprendre les effets diurnes du glaucome à tension normale.
- envisager la possibilité des futurs traitements du glaucome.
- élaborer un paradigme thérapeutique pour le syndrome d'exfoliation.

### **Guest - Invité**

Robert Ritch, MD / Rohit Varma, MD, MPH

### **Moderators - Animateurs**

Yvonne Buys, Neeru Gupta

0930	Annual Canadian Glaucoma Society Business Meeting <b>Yvonne M. Buys</b>
1035	Normal tension glaucoma – a nocturnal disease <b>Robert Ritch</b>
1055	Discussion
1105	A look into the future of glaucoma management <b>Rohit Varma</b>
1125	Discussion
1135	Directed therapy for exfoliation syndrome <b>Robert Ritch</b>
1155	Discussion

## Glaucoma Free Papers Exposés libres sur le glaucome

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

### **Objectives - Objectifs**

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

- share scientific findings related to glaucoma.

À la fin de la session, les participants pourront :

- partager les résultats de la recherche scientifique sur le glaucome.

### **Moderators - Animateurs**

Yvonne Buys, Neeru Gupta

1330	Does an association exist between pseudoexfoliation syndrome and chronic kidney disease? <b>Peter Zakrzewski</b>
1337	Discussion
1339	Mapping and tracer studies of a novel uveolymphatic outflow pathway <b>Neeru Gupta, Miles Johnston, Tina Ly, Manoj Patel, Brian Drake, Ersin Gumus, Stephan Fraenkl, Sarah Moore, Dalia Tobbia, Dianne Armstrong, Yeni H. Yücel</b>
1346	Discussion
1348	Effect of sleeping position on IOP in progressive glaucoma <b>Tariq A. Alasbali, Michael Smith, Pieter Gouws, Noa Geffen, Yaping Jin, Yvonne M. Buys, John Flanagan, Collins Shapiro, Graham E. Trope</b>
1355	Discussion
1357	Plateau iris: Gonioscopic and UBM findings associated with a positive dark room provocative test after iridotomy <b>Anik Desgroseilliers, Paul J. Harasymowycz, Alvine Kamdeu Fansi, Denis Tardif, Mark R. Lesk</b>
1404	Discussion
1407	A new method of estimating scleral rigidity in vivo and its clinical correlation in open-angle glaucoma <b>Jing Wang, Denise Descovich, Alvine Kamdeu Fansi, Paul Harasymowycz, Gisèle Li, Mark R. Lesk</b>



## Canadian Glaucoma Society Société canadienne du glaucome

### Glaucoma Free Papers (continued) Exposés libres sur le glaucome (suite)

1414	Discussion
1416	Efficacy of SLO-microperimetry and Humphrey field analyzer in evaluating changes in macular sensitivity in advanced glaucoma <b>Sadhana V. Kulkarni, Stuart G. Coupland, Karim F. Damji, Jonathan Brownstein</b>
1423	Discussion
1425	Visual symptoms following Nd:YAG laser peripheral iridotomy (LPI) in relation to position of LPI <b>Abdulla Naqi, Ike K. Ahmed</b>
1432	Discussion
1434	Spectral domain optical coherence tomography measurements of lamellar and prelamellar tissue movement after intraocular pressure elevation <b>Younes Agoumi, Glen P. Sharpe, Paul H. Artes, Marcelo T. Nicolela, Balwantray C. Chauhan</b>
1441	Discussion
1443	Effect of physician fees on glaucoma procedure rates in Canada <b>Robert J. Campbell, Peter C. Austin, Yvonne M. Buys</b>
1450	Discussion
1452	2009 Stephen Drance Award of Excellence in Glaucoma Research

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

#### **Objectives - Objectifs**

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

- understand the effect of functional loss in glaucoma on quality of life.
- introduce the new Canadian glaucoma guidelines.

À la fin de la session, les participants pourront :

- comprendre les effets de la perte fonctionnelle due au glaucome sur la qualité de vie,
- présenter le nouveau guide canadien du glaucome.

#### **Guest - Invité**

Rohit Varma, MD, MPH

#### **Moderators - Animateurs**

Yvonne Buys, Neeru Gupta

1530	The impact of glaucomatous visual field loss on the quality of life. <b>Rohit Varma</b>
1550	Discussion
1555	Canadian glaucoma guidelines – background and rationale <b>Paul Rafuse</b>
1605	Diagnosis of POAG <b>Yvonne Buys</b>
1612	Role of diagnostic tests <b>Marcelo Nicolela</b>
1619	Open-angle glaucomas <b>Caroline Lajoie</b>
1626	Angle-closure glaucoma <b>Fred Mikelberg</b>
1633	Treatment – goals <b>Karim Damji</b>
1640	Therapeutic choices <b>David Tingey</b>
1647	Progression <b>Paul Murphy</b>
1654	Screening <b>Paul Harasymowycz</b>





## Canadian Neuro-ophthalmology Society Société canadienne de la neuro-ophthalmologie

### Neuro-ophthalmology Neuro-ophthalmologie

Sunday, June 21 | 1030–1200 | Harbour A  
Dimanche 21 juin

#### **Objectives - Objectifs**

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

- describe how to assess pupil asymmetry.
- identify a new method of assessing skew deviation.
- understand transient spikes and venous sinus thrombosis in intracranial hypertension.

À la fin de la session, les participants pourront :

- décrire comment évaluer l'asymétrie pupillaire.
- identifier une nouvelle méthode d'évaluation du strabisme oblique.
- comprendre les pics et la thrombose du sinus de la dure-mère dans l'hypertension intracrânienne.

#### **Moderator - Animateur**

Martin ten Hove

1030	Introduction/Welcome Abstracts: 7-minute presentation followed by 3 minutes discussion
1035	Effects of earth-fixed vs head-fixed target on ocular counterroll <b>Manokaraananthan Chandrakumar, Zahra Hirji, Alan Blakeman, Giuseppe Mirabella, Herbert Goltz, Agnes M. Wong</b>
1042	Discussion
1045	A 20-year review of neuro-ophthalmic features, risk factors and visual outcome in cerebral venous sinus thrombosis in children <b>Johnny Wu, Raymond J. Buncic</b>
1052	Discussion
1055	Fourier domain optical coherence tomography measurement of the ganglion cell complex in patients with optic neuritis <b>Hashem S. Almarzouki, Mark Gans, Sara Dubuc, Emiko Vervroegen-Inoue</b>
1102	Discussion
1105	Assessment of anisocoria <b>Aki Kawaski</b>
1115	Discussion
1120	Transient intracranial pressure spikes as a cause of idiopathic intracranial hypertension <b>Stephanie A. Dotchin, Aditya Mishra, Charles Maxner</b>
1127	Discussion
1130	Orbital invasion of a paraganglioma: A case report <b>Jesia Hasan, Farida Al-Belushi, Mark Gans</b>
1137	Discussion
1140	Wrap-up, followed by Business Meeting

Sunday, June 21 | 1330–1500 | Harbour A  
Dimanche 21 juin

#### **Objectives - Objectifs**

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

- recognize atypical giant cell arteritis.
- describe new assessment techniques of visual attention.
- identify new MRI techniques and their value in determining disease process.
- articulate the pathophysiology of skew deviation.

À la fin de la session, les participants pourront :

- reconnaître une artérite atypique à cellules géantes.
- décrire les nouvelles techniques d'évaluation de l'attention visuelle.
- identifier les nouvelles techniques d'IRM et leur valeur pour déterminer le processus de la maladie.
- articuler la pathophysiologie du désalignement oculaire vertical.

#### **Guest - Invité**

Aki Kawasaki, MD

#### **Moderator - Animateur**

Agnes Wong

1330	Introduction/Welcome
1335	Emerging MRI techniques: Applications to neuro-ophthalmology <b>Vivek Patel</b>
1342	Discussion
1345	Visual attention, perimetry and traumatic brain injury <b>Martin ten Hove</b>
1352	Discussion
1355	Indirect carotid cavernous fistulas: Is the treatment necessary? <b>Edward Margolin, Matthew Bujak, Harpreet Gill</b>
1402	Discussion
1405	Statin-related myasthenia <b>Aki Kawaski</b>
1422	Discussion
1425	The translational vestibulo-ocular reflex in patients with skew deviation <b>Matthew B. Schlenker</b>
1432	Discussion
1435	Giant cell arteritis presenting with cotton wool spots <b>Michael Johnson</b>
1442	Discussion
1445	Clinging to a diagnosis <b>Vivek Patel</b>
1452	Discussion
1455	Wrap up





## 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



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

### 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

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

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



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

### 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



## Canadian Society of Oculoplastic & Reconstructive Surgery Société canadienne de l'oculoplastie et de la chirurgie reconstructive

### Periocular Oncology for the General Ophthalmologist Oncologie périoculaire pour les ophtalmologistes généralistes

Sunday, June 21 | 1030–1200 | Harbour C  
Dimanche 21 juin |

#### **Objectives - Objectifs**

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

- manage malignant and benign eyelid tumors.
- understand the role of radiotherapy in eyelid tumors.
- understand the role of surgical therapy for eyelid tumors.

À la fin de la session, les participants pourront :

- gérer une tumeur maligne et bénigne de la paupière,
- comprendre le rôle de la radiothérapie pour la tumeur de la paupière.
- comprendre le rôle de la thérapie chirurgicale pour la tumeur de la paupière.

#### **Guest - Invité**

David Payne, MD

#### **Moderator - Animateur**

Jeff Hurwitz

1030	Introduction <b>Larry Allen</b>
1035	PEARLS in the clinical diagnosis of periocular tumors <b>Stephen Gilberg</b>
1043	Discussion
1050	What does a pathologist want in a periocular biopsy? <b>Godfrey Heathcote</b>
1058	Discussion
1105	Radiotherapy treatment of eyelid tumors <b>David Payne</b>
1125	Surgical therapy of eyelid tumors <b>James Oestreicher</b>
1133	MOH's therapy of eyelid tumors <b>Yvonne Molgat</b>
1141	Discussion of eyelid tumor therapy
1200	Closing

### Free Papers Exposés libres

Sunday, June 21 | 1330–1700 | Harbour C  
Dimanche 21 juin |

#### **Objectives - Objectifs**

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

- discuss new therapy for oculoplastic disorders.
- understand the role of radiotherapy in Graves' Disease.
- prescribe investigations for oculoplastic disease.

À la fin de la session, les participants pourront :

- traiter de la nouvelle thérapie pour les troubles oculoplastiques.
- comprendre le rôle de la radiothérapie pour la maladie de Graves.
- prescrire l'investigation de la maladie oculoplastique.

#### **Guest - Invité**

Normand Laperriere

#### **Moderator - Animateur**

Larry Allen

1330	Introduction <b>Larry Allen</b>
1335	Medial eyelid surgical repair for floppy eyelid syndrome <b>Tim Sullivan, Alejandra Valenzuela</b>
1342	Treatment of periocular capillary hemangiomas with propranolol <b>François Codère, Julie Powell, Luis Ospina, Josée Dubois, Afshin Hatami, Catherine McCuail</b>
1349	A case of congenital bilateral dacryoceles <b>Francois Codère, Jesia Hasan, Laurent Letourneau, Josée Dubois</b>
1356	Discussion
1406	Incidence of nasolacrimal duct dysfunction in tearing referrals to an oculoplastic surgery practice <b>Norman Mainville, David Jordan</b>
1413	Comparison of dacryoscintigraphy to clinical and intraoperative findings in the diagnosis of nasolacrimal duct obstruction <b>Jerrold Kent, Larry Allen, Shefalee Shukla, William C. Venzina</b>
1420	Atypical case of orbital inflammation <b>Jacky Yeung, Vladimir Kratky</b>
1429	Discussion



## Canadian Society of Oculoplastic & Reconstructive Surgery Société canadienne de l'oculoplastie et de la chirurgie reconstructive

### Free Papers (Continued)

### Exposés libres (suite)

- 
- |      |  |
|------|--|
| 1436 | Primary apocrine adenocarcinoma of the eyelid<br><b>C. Archibald, Alejandra Valenzuela, Godfrey Heathcote, J. trites, M. Davis</b>   |
| 1443 | Discussion   |
| 1450 | Break  |
| 1520 | Guest Lecturer<br><b>Normand Laperriere</b><br>Radiotherapy treatment of Graves' orbitopathy and orbital tumors  |
| 1540 | Discussion   |
| 1550 | Clinical examination, radiologic findings and outcomes of epithelial lacrimal gland tumors<br><b>Ezekiel Weis, Jack Rootman, Thomas J. Joly, Kenneth W. Berean, Hind M. Al-Katan, Sylvia Pasternak, Giulio Bonavolonta, Diego Strianese, Peerooz Saeed, Kenneth A. Feldman, Sumalee Vangveeravong, Jocelyn S. Lapointe, Valerie A. White</b> |
| 1557 | Orbital exenteration: A 16-year review of 41 cases<br><b>Arnold Radu, Paul Denton, Rubens Belfort, Miguel N. Burnier, François Codère, Bryan P. Arthurs</b>  |
| 1604 | A rare case of primary ductal adenocarcinoma of the lacrimal gland<br><b>Catherine Achim, Yvonne Molgat, Michel Beauchemin</b>   |
| 1611 | Discussion   |
| 1618 | Pilot study for Image-Guided Medial Orbital Decompression in management of thyroid orbitopathy<br><b>Patrick Gooi, Michael Ashenhurst, Karim Punja</b>   |
| 1625 | Globe subluxation in floppy eyelid syndrome and Graves' ophthalmopathy<br><b>Babak Malecki, Alejandra Valenzuela, Tim Sullivan</b>   |
| 1632 | Orbital Aspergillosis: what is the role of intraorbital amphotericin injections?<br><b>Norman Mainville, David Jordan</b>  |
| 1640 | Integration of the Electronic Medical Record (EMR) in an oculoplastic surgery practice<br><b>John G. Rose</b>  |
| 1647 | Discussion   |
| 1700 | Business meeting   |



## Canadian Association of Pediatric Ophthalmologists Association canadienne des ophtalmologistes pédiatriques

### Pediatric Ophthalmology & Strabismus Ophtalmologie pédiatrique et le strabisme

Tuesday, June 23 | 0800–0930 | Harbour B  
Mardi 23 juin

#### Objectives - Objectifs

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

- assess when retinal diseases can be treated by gene therapy.
- describe the findings and treatment, when available, of congenital abnormalities of the retina and retinal pigment epithelium.
- describe new findings in various research topics: parainfectious optic neuritis, optic nerve hypoplasia, eye alignment and strabismus surgery, retinoblastoma, retinopathy of prematurity, persistent fetal vasculature, cobalamin-C disease and amblyopia.

À la fin de la session, les participants pourront :

- estimer quand les maladies de la rétine peuvent être traitées par thérapie génétique.
- décrire les données et le traitement, si disponible, des anomalies congénitales de la rétine et de l'épithélium pigmentaire rétinien.
- décrire les nouveaux résultats de diverses recherches topiques : névrite optique para-infectieuse, hypoplasie du nerf optique, alignement des yeux et chirurgie du strabisme, rétinoblastome, rétinopathie de prématurité, système vasculaire fœtal, déficience en cobalamine C et amblyopie.

#### Guest - Invité

Anthony Moore, MA, BM, BCH

#### Moderator - Animateur

Patrick Hamel

- |      |  |
|------|--|
| 0800 | Welcome<br><b>Patrick Hamel</b>  |
| 0801 | Gene therapy for childhood retinal disease<br><b>Anthony Moore</b>   |
| 0821 | Discussion   |
| 0827 | Does chemotherapy prior to enucleation alter recognition of optic nerve and choroid invasion in late stage retinoblastoma eyes?<br><b>Junyang Zhao, Xiaolin Xu, Bin Li, Jitong Shi, Dongsheng Huang, Brenda Gallie</b> |
| 0834 | Discussion   |
| 0840 | Achieving national consensus for Canadian Guidelines for Retinoblastoma Care<br><b>Helen Dimaras, Nataly Weizblit, Peggy Gronsdahl, Robert R. Downie, Brenda L. Gallie, Cynthia Lank</b>                               |
| 0847 | Discussion   |

0853 | Long-term visual outcome of cobalamin-C disease and other remethylation disorders  
**Robert Gizicki, Jaqueline Orquin, Luis H. Ospina**

0900 | Discussion

0906 | Treatment of amblyopia using macular stimulation with telescopic magnification  
**Johnny Wu, Fariba Nazemi, Agnes Wong**

0913 | Discussion

0919 | What is the prevalence of amblyopia in children living in at-risk Toronto communities?  
**Theodore Christakis, Matthew Schlenker, Rosa M. Braga-Mele**

0926 | Discussion

0930 | Break

Tuesday, June 23 | 1245–1700 | Harbour B  
Mardi 23 juin

1245 | The Canadian Paediatric Surgical Wait Times Project (CPSWT)  
**Rena Menaker, G. Robert LaRoche**

1330 | Comparing a traditional single optotype visual acuity test with a computer based visual acuity test for childhood amblyopia vision screening  
**Matthew B. Schlenker, Theodore J. Christakis, Rosa M. Braga-Mele**

1337 | Discussion

1343 | Defining the critical period for smooth pursuit development in infant primates: Effects of binocular decorrelation  
**Kim T. Le, P. Foeller, D. Bradley, L. Tychsen, A. M. Wong**

1350 | Discussion

1356 | Congenital abnormalities of the retina and retinal pigment epithelium  
**Anthony Moore**

1416 | Discussion

Short poster presentations

1422 | Comparison of ocular and systemic findings in children with unilateral and bilateral optic nerve hypoplasia  
**Linda Cooper, William F. Astle, Kenneth G. Romanchuk**



## Canadian Association of Pediatric Ophthalmologists Association canadienne des ophtalmologistes pédiatriques

Tuesday, June 23 | 1330–1700 | Harbour B  
Mardi 23 juin

- 1434 | The advantages of the short adjustable suture for both adult and pediatric strabismus  
**Andrew Budning, Cathie Day, Alphonse Nguyen**
- 1440 | Defining the critical period for eye alignment development in infant primates: Effects of binocular decorrelation  
**Kay Lam, Paul Foeller, Dolores Bradley, Lawrence Tychsen, Agnes M. Wong**
- 1446 | Chronic progressive external ophthalmoplegia: Diagnosis and management  
**Michael Flanders, Mahshad Darvish, Jella Angela An**
- 1452 | Surgery for persistent fetal vasculature: Outcomes and prognosis  
**Hannah Chiu, Peter Kertes, Wai-Ching Lam**
- 1500 | Break
- 1530 | Comparison of incidence of retinopathy of prematurity between conventional oxygen therapy and strictly controlled blood oxygen level  
**Reza Karkhaneh, Mohammad Riazi-Esfahani, Yousef Alizadeh, Mliheh Kadivar, S. Zeinab Mousavi, Ramak Rouhipour, Mehdi Nili Ahmad Abadi, Laila Ghalichi, Fateme Nayeri, Shahin Behjati, Paymaneh Alizadeh Taheri**
- 1536 | Fluorescein angiographic features of severe Retinopathy of Prematurity  
**Nasrin N. Tehrani, Cynthia VandenHoven**
- 1542 | Photoleukocoria study: Encouraging the early detection of retinoblastoma  
**Mallipatna C. Ashwin, Helen Dimaras, Cynthia VandenHoven, Lindsay Hampton, Maria Pezzente, Brenda L. Gallie**
- 1548 | Case presentations  
**Jane Gardiner**
- 1615 | Business meeting





## Canadian Society of Ophthalmic Medical Personnel Société canadienne du personnel médical en ophtalmologie

### Annual Continuing Education Day Journée annuelle de la formation continue

#### Objectives - Objectifs

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

- understand basic UBM techniques.
- review the diagnostic test involved in the glaucoma clinic.
- describe the illumination techniques used by ophthalmic medical personnel for a slit lamp exam.
- discuss the various diagnostic duties of ophthalmic medical personnel within the clinical practice.
- articulate current trends in corneal therapeutic surgical techniques.
- understand optic nerve hypoplasia and the implications of stem cell transplantation.
- understand ophthalmic ultrasound (A & B scan) through didactic lecture and hands-on workshop.
- describe the technical role of ophthalmic medical personnel within the retina clinic.

À la fin de la session, les participants pourront :

- comprendre les techniques fondamentales UBM.
- revoir les tests de diagnostic utilisés en clinique du glaucome.
- décrire les techniques d'illumination utilisées par le personnel médical en ophtalmologie pour l'examen à la lampe à fente.
- traiter des diverses tâches cliniques de diagnostic du personnel médical en ophtalmologie.
- préciser les tendances actuelles des techniques chirurgicales de la cornée.
- comprendre l'hypoplasie du nerf optique et les implications de la transplantation des cellules souches.
- comprendre l'utilisation de l'ultrason en ophtalmologie (balayage A et B) par la lecture didactique et la pratique en atelier.
- décrire le rôle technique du personnel médical en ophtalmologie en clinique de la rétine.

#### Moderators - Animateurs

Gordon Carter

Saturday, June 20 | 0755–1630 | Pier 7 & 8  
Samedi 20 juin

0755	Welcome & introduction to Annual CE Day <b>Marc Lafontaine, Gordon Carter</b>
0800	Ultrasound biomicroscopy techniques <b>Carla Barbery</b>
0830	Glaucoma diagnostics <b>Carla Barbery</b>
0900	Slit lamp techniques <b>Camille Desrochers</b>
0930	Break
1000	Case presentations <b>Ryan Steinke</b>
1100	DSAEK and collagen cross-linking <b>Ahmed Al Ghouli</b>
1200	Lunch
1300	Stem cell transplant is not a treatment for optic nerve hypoplasia: Building a bridge between hope and reason <b>Pat Wyse</b>
1400	Introduction to ultrasound A scan-biometry <b>Craig Simms</b>
1500	Break
1530	Tsunami of retinal referrals post Avastin <b>Allan Berger</b>

Sunday, June 21 | 0800–1200 | Pier 3  
Dimanche 21 juin

0800	B-scan workshop – getting started (Final schedule pending registration) Immersion A scan-workshop
1100	Slit lamp or retinoscopy techniques

Please visit the CSOMP website for updates to this program <http://eyesite.ca/english/csomp/>





## Canadian Society of Ophthalmic Registered Nurses Société canadienne des infirmières et infirmiers en ophtalmologie

Sunday, June 21 | 0800-1600 | Pier 4  
Dimanche 21 juin

### **Objectives - Objectifs**

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

- integrate new learning skills into their current practice, thereby enhancing better patient care outcomes.
- compare and differentiate the variety of IOLs currently available.
- assess and understand the needs of the aging baby boomers.

À la fin de la session, les participants pourront :

- intégrer de nouvelles capacités d'apprentissage à l'exercice courant et améliorer ainsi les résultats des soins prodigués aux patients.
- comparer et différencier les types de LIO actuellement disponibles.
- évaluer et comprendre les besoins des babyboomers vieillissants.

0730	Coffee and pastries (Exhibition Hall)
0800	CSORN business meeting
0840	Welcome remarks <b>Marcela Tutay</b> , Conference Coordinator
0845	Complications of cataract surgery <b>Bernard Hurley</b>
0930	Burning the midnight oil by 9 pm <b>Fran Wolfe</b>
1015	Break
1045	Update on endothelial keratoplasty <b>Joseph Ma</b>
1130	Lunch
1245	"Doctor, is my cataract ripe yet?" <b>Marlene Griffin</b>
1315	"The bugs stop here!" <b>Billi Onley</b>
1345	Outreach in Manitoba: The Misericordia experience <b>Karen Terlinski</b>
1430	Break
1500	Keynote Different aspirations for different generations <b>Mary T. Yates</b>



# The Canadian Orthoptic Society

## La société canadienne d'orthoptique

### Workshops - Ateliers **Saturday, June 20 / Samedi 20 juin**

	Convenor	Location	
<b>1300-1350</b>	Agnes Wong	Dockside 9	<b>Nystagmus</b>
<b>1400-1450</b>	Ann Haver	Dockside 9	<b>Orthoptic therapy revisited</b>
<b>1400-1450</b>	Heather Fennell	Dockside 3	<b>Pediatric low vision</b>
<b>1500-1550</b>	Aditya Mishra	Dockside 9	<b>Pupils: A review</b>
<b>1500-1550</b>	Karen McMain Edward James Vanessa Avellaneda-Chevrier	Dockside 3	<b>Orthoptics in developing countries</b>
<b>1600-1650</b>	Alejandra Valenzuela	Dockside 9	<b>Thyroid eye disease and the role of the orthoptist</b>

### Scientific Program Programme scientifique

Monday, June 22 | 0800–1700 | Pier 5  
Lundi 22 juin

0800	Welcome: Opening remarks	1130	Outcome of surgery for longstanding exotropia (adults are NOT just big children!) <b>K. Arnoldi</b>
0805	Dr. John Pratt-Johnson Lecture: The diagnosis and treatment of amblyopia in the 21st century - where did we come from and how did we get here? <b>Thomas. D. France</b>	1145	Discussion
0850	A retrospective review of strabismus surgery using adjustable sutures <b>K. Mireskandari, S. Kraft</b>	1200	Lunch in Exhibition Hall
0905	There is more to "low vision" than "vision" <b>D. Pickering</b>	1330	Presentations to graduates
0920	Discussion	1345	Lunn lecture: A new look at an old practice <b>Louise Labow-Daily</b>
0930	Break in Exhibition Hall	1415	Clinical characteristics of sixth nerve palsy <b>J. Zurevinsky</b>
1030	Optic glioma presenting as infantile nystagmus: The HSC series <b>A. Tandon, R. Buncic</b>	1430	Review of PEDIG studies <b>N. Matta</b>
1045	Residual visual abilities in the blind visual field of hemispherectomized subjects and the neuronal correlate of blindsight <b>S. Leh</b>	1445	Discussion
1100	An evaluation of reaching and grasping in individuals with absent stereoacuity: Is there a binocular advantage? <b>S. MacDonald</b>	1500	Break in Exhibition Hall
1115	Pontine gaze palsy and abducens paralysis: Clinical presentation and surgical management <b>S. Daniel, M. Flanders, R. Beneish</b>	1530	Thyroid orbitopathy: Impact at the workplace <b>L. Bellan</b>
		1545	Characterization of visual function in early retinal degeneration <b>C. Pantan, M. Contesta</b>
		1600	Clinical characteristics of pediatric maculopathy: Stereoacuity and colour vision <b>J. Parkinson</b>
		1615	Hereditary retinal disease in a patient with strabismus <b>A. Sheikh, V. Erraguntla</b>
		1630	Hyperbaric oxygen therapy and ophthalmology <b>C. Skov</b>
		1645	Discussion
		1700	Adjourn



## Poster Presentations - Sunday, June 21 through Tuesday, June 23 Exposés sur affiches - Dimanche 21 juin au mardi 23 juin

### Exhibition Hall: Metro Ballroom

Time spent viewing poster presentations may be claimed under Section 2, as defined by the Royal College of Physicians and Surgeons of Canada for the Maintenance of Certification program.

Le temps passé au visionnement des exposés peut être réclamé en vertu de la Section 2, comme le définit le Collège royal des médecins et chirurgiens du Canada dans le programme du Maintien du Certificat.

#### Objectives - Objectifs

Participants can

- increase their knowledge of recent findings from scientific research related to ophthalmology.
- interact with investigators conducting research of similar and (or) particular interest.

Les participants pourront :

- accroître leur connaissance des récentes découvertes de la recherche scientifique concernant l'ophtalmologie.
- échanger avec les investigateurs qui mènent des recherches sur des sujets similaires ou particuliers.

### Sunday, June 21 Dimanche 21 juin

#### UVEITIS

1. Neodymium YAG laser synechiolysis in phakic patients with acute and chronic uveitis  
**Pirbhai, Adnan; Iordanous, Yiannis; Merchea, Mohan**
2. Rare cases of panuveitis associated with Hodgkin's lymphoma  
**Schmit, Isabelle; Fortin, Eric; Aubin, Marie-Josée**

#### CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY

3. Do patients with unilateral quiescent herpetic stromal keratitis have bilateral dry eyes?  
**S-Lebrun, Adèle; Boisjoly, Hélène; Al-Saadi, Ahmed; Mabon, Michèle;**

4. Fibrin glue versus sutures for conjunctival autografting in pterygium surgery

**Talajic, Julia; Miszkiewicz, Krystyna; Racine, Louis; Harissi-Dagher, Mona**

5. Corneal endothelial toxicity of air and SF6

**Landry, Hubert; Aminian, Anahid; Nada, Ossama; Hoffart, Louis; Bensaoula, Thouria; Proulx, Stéphanie; Germain, Lucie; Brunette, Isabelle**

6. Boston Keratoprosthesis Type 1 Surgery: Use of frozen versus fresh corneal donor carriers

**Biernacki, Katarzyna; Robert, Marie-Claude; Harissi-Dagher, Mona**

7. Comparison of two ultrasound pachymeters in the measurement of central corneal thickness

**Marquis, Catherine; Blouin, Marie-Julie; Fredette, Marie-Josée**

8. Graft survival associated with penetrating keratoplasty and posterior lamellar keratoplasty

**Beauchemin, Catherine; Brunette, Isabelle; Lachaine, Jean**

9. Clinical and pathological correlations of penetrating keratoplasties at the University of British Columbia: Regrafts

**Sheldon, Claire A.; White, Valerie A.; McCarthy, Martin J.**

#### INTERNATIONAL & PUBLIC HEALTH

10. Primary ophthalmic care and training patterns of Ottawa area physicians

**Sogbesan, Enitan A.; Fournier, Annick V.; Damji, Karim F.**

11. Unequal eye care utilization in Canada: A comparison with dental care

**Jin, Yaping; Trope, Graham E.**

12. Medical students perception of undergraduate ophthalmic training at University of Ottawa

**Sogbesan, Enitan A.; Fournier, Annick V.; Damji, Karim F.**

13. An analysis of Canadian ophthalmology residency training programs

**Zhou, Alysia; Noble, Jason; Dorrepaal, Steve; Lam, Wai Ching**

#### OCULOPLASTICS & RECONSTRUCTIVE SURGERY

14. Importance of radiologic investigations in penetrating orbital trauma

**Darvish-Zargar, Mahshad; Arthurs, Bryan P.**

15. An unusual cause of unilateral palpebral oedema

**Schmit, Isabelle; Fortin, Eric**

16. MRI coil imaging: A new modality for orbital and retinal imaging

**Shukla, Shefalee; Sheidow, T.; Rogers, T.; Kent, J.; Allen, L.**

17. Profound visual loss in a patient receiving periocular injection treatments of poly-(L)-lactic acid.

**Roberts, Steve; Arthurs, Bryan; Gans, Mark; Deschenes, Jean**

18. The utility of transnasal endoscopic techniques in the management of orbital disease

**Kent, Jerrod; Allen, Larry; Rotenberg, Brian**

#### NEURO-OPHTHALMOLOGY

19. A case of polinopsia presenting as a Todd's paralysis phenomenon

**Nailyn Rasool**

### Monday, June 22 Lundi 22 juin

#### GLAUCOMA

1. Observational study of combination travoprost 0.004%/timolol 0.5% in glaucoma patients – DATE

**Shuba, Lesya; on behalf of the DATE investigators**

2. Circumferential viscodilation and tensioning of Schlemm Canal (canaloplasty) for uveitic glaucoma: A case series

**Hammamji, Karim; Couture, Simon; Gagné, Sébastien; Harasymowycz, Paul**

3. Development and validation of an innovative educational model in ophthalmology education

**Chan, Toby; Hutnik, Cindy**

4. Endoscopic Cycloplasty (ECPL) in angle closure glaucoma secondary to plateau iris

**Podbielski, Dominik W.; Tam, Diamond Y.; Naqi, Abdulla; Ahmed, Iqbal I.**



## Poster Presentations - Sunday, June 21 through Tuesday, June 23 Exposés sur affiches - Dimanche 21 juin au mardi 23 juin

### **GLAUCOMA (continued-suite)**

5. Buccal mucous membrane grafts for the repair of leaking trabeculectomy blebs and exposed glaucoma drainage devices  
**Rootman, Dan B.; Trope, Graham E.; Rootman, David S.**
6. In-office assessment of compliance in Canadian glaucoma practices using the TRAVALERT dosing aid  
**Yan, David B.; Hubatsch, Douglas; Gill, Navroop**
7. Trabectome® update 2004-2009  
**Minckler, Don; Dustin, Laurie; Mosaed, Sameh**
8. Aging characteristics of the Heidelberg Edge Perimeter  
**Flanagan, John G.; Ho, Derek**
9. Reduction in choroidal thickness following acute increase in intraocular pressure  
**Flanagan, John G.; Costanz, Catrina; Tertinegg, Inka; Wong, Tien; Trope, Graham E.**
10. The effect of study characteristics on reported effect size in selective laser trabeculectomy studies  
**Johnson, Davin; Almeida, David R.; El-Defrawy, Sherif R.; Campbell, Robert J.**
11. Does sponsorship of prostaglandin analogue clinical trials bias the measured IOP readings?  
**Jinapriya, Delan; Alasbali, Tariq; Anraku, Ayako; Trope, Graham E.; Buys, Yvonne M.**
12. Long term survival of different laser trabeculectomy regimens in open angle glaucoma: SLT versus ALT.  
**Lai, Tze; Ganesh, Jeetanjale; Kranemann, Christoph; Birt, Catherine**
13. Use of RetCam goniography in detection of occludable iridocorneal angles  
**Naqi, Abdulla; Ahmed, Iqbal Ike K.**
14. Multiple iStent Schlemm's canal placements combined with phacoemulsification  
**Ahmed, Ike; Naqi, Abdulla**
15. The utilisation of a suprachoroidal gold shunt in managing glaucoma patients with hypotony due to eroded glaucoma drainage implants.  
**Harasymowycz, Paul**

16. Effectiveness of the SOLX gold micro shunt in patients with failed prior trabeculectomy  
**Calafati, Jennifer; Ahmed, Iqbal Ike K.**
17. Selective laser trabeculectomy: Nonsteroidal anti-inflammatory drugs versus steroids in postoperative management  
**Calafati, Jennifer; Williams-Lyn, Donna; Ahmed, Iqbal Ike K.**
18. Effects of shifts in scan position on OCT of the retinal nerve fiber layer  
**Almeida, David; Johnson, Davin E.; Hollands, Hussein; El-Defrawy, Sherif R.; Campbell, Robert J.**
19. SLT and adjunctive medical therapy: a prediction rule analysis  
**Martow, Evan; Hutnik, Cindy; Mao, Alex**

### **RETINA**

20. The novel use of Bevacizumab and photodynamic therapy in the treatment of Best's Disease  
**Brod baker, Elliott; Al Karmi, Rani; Hurley, Bernard; Coupland, Stuart G.**
21. Factors affecting visual outcomes in the surgical repair of retinal detachment  
**Muzychuk, Adam; Lodha, Nidhi; Kherani, Amin**
22. The frequency of important clinical and ultrasonographic features of uveal nevi  
**Almarzouki, Hashem S.; Abdulmannan, Dina; Naqeeb, Mohammed; Bakalian, Silvin; Isenberg, Jordan N.; Burnier, Miguel**
23. Visual outcomes in patients following treatment with intravitreal Bevacizumab (Avastin) injections for a variety of neovascular diseases of the eye  
**Lodha, Nidhi; Hall, Riley; Mitchell, Patrick; Williams, Geoff; Kherani, Amin**
24. Effective ranibizumab treatment of wet AMD demonstrated in an everyday tertiary care vitreoretinal specialist practice  
**Chen, Sylvia H.; Tuli, Raman**
25. Intravitreal Bevacizumab in the management of central retinal vein occlusion  
**Samad, Arif; Che, Alison; MacDonald, Aimee**
26. MRI coil imaging: A new imaging modality of orbital and retinal pathology  
**Shukla, Shefalee; Allen, L.; Rogers, T.; Kent, J.; Sheidow, T.**
27. Incisional biopsy using 25G vitrectomy system  
**Navajas, Eduardo; Altomare, Filiberto**
28. Vein compression and angle pattern of arteriovenous crossing in branch retinal vein occlusion  
**Liang, Qingyuan; Wong, David**
29. Vascular risk factors in amaurosis fugax  
**Hsu, Howard C.; Gan, Kenman D.; Dean, Naem; Mouradian, Mikael S.; MacDonald, Ian M.; Tennant, Matthew T.; Shuaib, Ashfaq; Weis, Ezekiel**
30. Comparing atherosclerotic risk factors between Amaurosis Fugax (AF) and Retinal Arterial Occlusions (RAO)  
**Gan, Kenman D.; Hsu, Howard; Mouradian, Mikael S.; Dean, Naem; Tennant, Matthew; MacDonald, Ian M.; Shuaib, Ashfaq; Weis, Ezekiel**
31. Does autofluorescence changes in subfoveal neovascular-AMD have significant correlation with central macular thickness after intravitreal injection of Bevacizumab?  
**Riazi-Esfahani, Mohammad; Ahmadi, Hamid; Norouzfard, Mohsen; Piri, Niloofar; Salehi, Alireza**
32. Animal models of human retinal activity: Electroretinographic studies  
**Wood, Leah M.; Windish, Roman; Parkinson, Joan; Tremblay, Francois**
33. Retino-retinal projection. Tracing retinal ganglion cells to the contralateral retina  
**Chevrier, Vanessa; Chauhan, Balwantray**
34. Informing patients about age-related macular degeneration: A randomized control trial comparing pamphlet, video, and computer animation media as tools for patient education  
**Hurst, Jonathan; Sharma, Sanjay; Johnson, Davin; Hurst, Andrew**
35. The effect of Bevacizumab on the macular function of patients with choroidal neovascularization and vascular occlusive disease  
**Ng, ManCho; Lee, Thomas K.; Ramstead, Cory; Tennant, Matthew T.**



**Poster Presentations - Sunday, June 21 through Tuesday, June 23**  
**Exposés sur affiches - Dimanche 21 juin au mardi 23 juin**

**RETINA (continued-suite)**

36. The use of Bevacizumab for the treatment of a choroidal neovascular membrane (CNVM) in a patient with Stargardt's disease

**Sheikh, Amber Z.; Bastian, Johnathan; Colleaux, Kevin**

37. Investigating a possible cause of the myopic shift after combined cataract extraction, IOL implantation, and vitrectomy for treatment of a macular hole

**Ehmann, David S.; García, Raúl**

38. Pre-retinal neovascularization after intravitreal Bevacizumab (Avastin) injection in a patient with von Hippel-Lindau disease

**Walker, Randy A.; Colleaux, Kevin M.**

39. Bilateral choroidal neovascularisation and macular sub-retinal fluid associated with membranoproliferative glomerulonephritis type II (MPGN type II) - a case report with 17 years of follow-up.

**Letarte, Laurence; Turcotte, Pierre**

40. Multifocal ERG after macular photocoagulation with intravitreal Bevacizumab injection in diabetic macular edema

**Abdollahi, Ali; Movassat, Morteza; Nili, Mehdi; Bashiri, Abasalt; Mahmoudi, Amir; Abdollahi, Maryam**

**Tuesday, June 23**

**Mardi 23 juin**

**CATARACT SURGERY**

1. Predictors of corneal edema following cataract surgery

**Yau, Ryan; Sutanto, Ian; Chan, Stanley**

2. First results after implantation of the first violet light filtering MICS IOL Acri. Smart 46YLC through a 1.6mm incision.

**Breyer, Detlev R.; Klabe, Karsten; Taylor, Elke; Keitel, Kristian**

3. Effect of cataract surgery on intraocular pressure and anterior chamber angle

**Zhou, Alysia**

4. Microcoaxial phacoemulsification with the signature phacoemulsification system

**Kranemann, Christoph**

5. Comparing performance of ophthalmology residents at various training levels on an intraocular surgical simulator

**Nathoo, Nawaaz; Ng, ManCho; Ramstead, Cory; Johnson, Michael C.**

6. Eighteen months of evolution in the implantation of a multifocal, toric, aberration correcting MICS IOL (Acri. LISAtoric) through a 1.6mm incision, without the need for postop. LASIK or other bioptical procedures

**Breyer, Detlev R.; Klabe, Karsten; Taylor, Elke; Kristian, Keitel**

7. A comparison of hand-activated and foot-activated surgical tools in simulated ophthalmic surgery

**Noble, Jason; Gill, Harmeet S.; Sit, Marisa**

8. Subjective experience of Canadian patients who received bilateral AcrySof toric intraocular lenses (IOLs) for correction of cataracts and astigmatism

**Gohill, Jit; Canadian TORIC Investigator Group**

9. Repair of prolonged Descemet's membrane detachments with intracameral injection of long-acting gases

**Jivraj, Imran; Lam, Wai-Ching; Chaudhary, Varun; Singal, Neera**

10. Patient perceptions of the ReSTOR +4 Aspheric Multifocal Intraocular Lens

**Peters, Carl**

11. Comparison of Healon versus DisCoVisc for cataract surgery

**Chan, Stanley M.; Baker, Chad; Mah, Aimee**

12. Predictors of elevated intraocular pressure after cataract surgery

**Chan, Stanley M.; Sutanto, Ian; Weis, Ezekiel**

13. Practice patterns of COS members in cataract surgery - 2009 Survey

**Lindsay Ong-Tone; Ali Bell**

**PEDIATRIC OPHTHALMOLOGY & STRABISMUS**

14. A case of parainfectious optic neuropathy in a young patient with Group A Streptococcus Pyogenes orbital cellulitis.

**Kassiri, Kam; Nathoo, Nawaaz; El-Hakim, Hamdy; Sabri, Kouroush**

15. Fluorescein angiographic features of severe retinopathy of prematurity

**Tehrani, Nasrin N.; VandenHoven, Cynthia**

16. Defining the critical period for eye alignment development in infant primates: Effects of binocular decorrelation

**Lam, Kay; Foeller, Paul; Bradley, Dolores; Tychsen, Lawrence; Wong, Agnes M.**

17. Chronic progressive external ophthalmoplegia: Diagnosis and management

**Flanders, Michael; Darvish, Mahshad; An, Jella Angela**

18. Comparison of ocular and systemic findings in children with unilateral and bilateral optic nerve hypoplasia

**Cooper, Linda; Astle, William F.; Romanchuk, Kenneth G.**

19. Surgery for persistent fetal vasculature: Outcomes and prognosis

**Chiu, Hannah; Kertes, Peter; Lam, Wai-Ching**

20. Photoleukocoria study: Encouraging the early detection of retinoblastoma

**Ashwin, Mallipatna C.; Dimaras, Helen; VandenHoven, Cynthia; Hampton, Lindsay; Pezzente, Maria; Gallie, Brenda L.**

21. Comparison of incidence of retinopathy of prematurity between conventional oxygen therapy and strictly controlled blood oxygen level

**Karkhaneh, Reza; Riazi-Esfahani, Mohammad ; Alizadeh, Yousef; Kadivar, Mliheh; Mousavi, S Zeinab; Rouhipour, Ramak; Nili Ahmad Abadi, Mehdi; Ghalichi, Laila; Nayeri, Fateme; Behjati, Shahin; Alizadeh Taheri, Paymaneh**

22. The advantages of the short adjustable suture for both adult and pediatric strabismus

**Budning, Andrew; Day, Cathie; Nguyen, Alphonse**



## Exhibition - Exposition

See the latest, most innovative products, services, technology and educational resources available from more than 30 ophthalmic companies. **This is the largest exhibition of its kind in Canada.** Join us in the Exhibition Hall for the Welcome Reception, lunch and refreshment breaks, and poster viewing.

This educational meeting could not be possible without the generous support of our exhibitors. Please take time to visit each exhibiting company.

### *Viewing Schedule*

**Sunday, June 21 - Tuesday, June 23**

0800-1700

Voyez les derniers développements en matière de services, de technologie et de sources de perfectionnement accessibles chez plus de 30 sociétés ophtalmiques.

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Joignez-vous à nous à la Salle d'exposition pour la Réception de bienvenue. Vous pourrez aussi prendre un casse-croûte et des rafraîchissements tout en regardant l'exposition d'affiches.

Cette rencontre de formation n'aurait pas été possible sans le soutien généreux de nos exposants. Prenez le temps de visiter chacune des sociétés exposantes.

### *L'horaire*

**Dimanche 21 juin au Mardi 2 juin**

0800-1700

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## Exhibitor Information - Information des exposants

### *Registration*

All company representatives participating in the exhibition must be registered. Please submit to the COS office a list of representatives no later than June 5 2009. Only company employees or representatives who will staff the exhibit may be registered as exhibitor representatives. Exhibitor representatives not pre-registered must produce a business card showing their affiliation with the exhibiting company or be accompanied by a pre-registered representative. Any individual who would normally pay a fee to attend the exhibit may not register as an exhibitor (i.e. physicians, researchers, or allied health professionals). Exhibitor registration will begin on Saturday June 20 2009.

### *Exhibitor Lounge*

New this year! COS is pleased to offer exhibitors the use of an exclusive lounge. This will be your space where you can take a break from the Exhibition Hall, grab a coffee and relax. For your convenience, all meals will also be served in this room.

Location: Pier 2

Hours: 0700-1700

### *Inscription*

Les représentants de sociétés qui participent à l'exposition doivent tous s'inscrire. Veuillez présenter au bureau de la SCO la liste des représentants avant le 5 juin 2009. Seuls les employés ou représentants des entreprises qui formeront le personnel du kiosque peuvent être inscrits en tant que représentants de l'exposant. Ceux qui n'auront pas été inscrits à l'avance devront présenter une carte d'affaires attestant leur affiliation avec la société exposante ou être accompagnés d'un représentant déjà inscrit. Toute personne qui devrait normalement payer des frais d'admission ne peuvent pas s'inscrire comme exposant (i.e., médecins, chercheurs ou membres des professions connexes de la santé). L'inscription des exposants commencera le samedi 20 juin 2009.

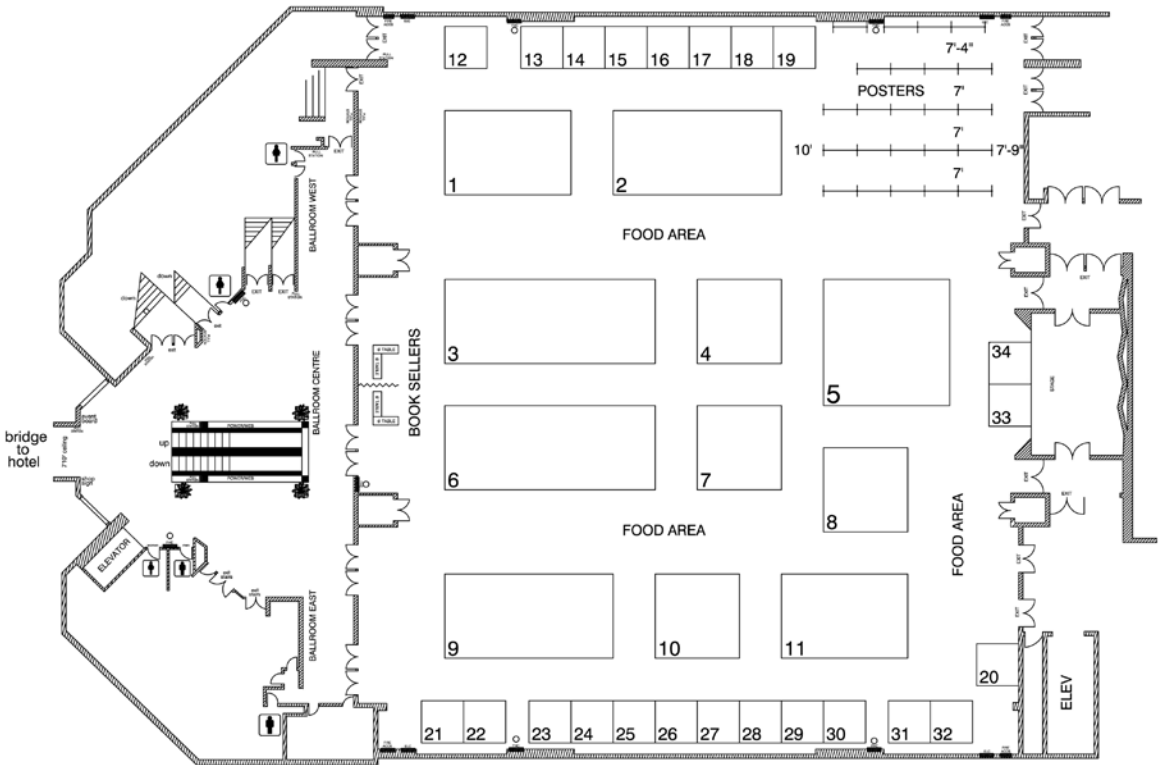
### *Bar salon des exposants*

Nouveau cette année! La SCO a le plaisir d'offrir aux exposants l'utilisation d'un bar salon exclusif. Ce sera pour vous un endroit où prendre une pause de la salle d'exposition, prendre un café et vous détendre. On y servira les repas à votre convenance.

Endroit : Pier 2

Horaire : 0700-1700





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[wtelenko@innovamed.com](mailto:wtelenko@innovamed.com)



INNOVA MEDICAL OPHTHALMICS is Canada's premier supplier of ophthalmic instruments and supplies. Representing the world's leading manufacturers, INNOVA offers comprehensive solutions for all ophthalmic needs. Since being launched in 1986, INNOVA has enjoyed continued growth. The 70,000 sq. ft. head office allows us to solidly support our customers in English Canada with a complete inventory and technical services facility. In Quebec, Instruments Ophtalmiques INNOVA has an 8,000 sq. ft. facility to provide similar services for customers in French Canada. In addition to having 27 sales representatives who provide complete coverage of Canada, INNOVA has a dedicated team of factory-trained technicians and a solid customer service group. Together, everyone endeavors to ensure that our customers enjoy friendly, professional support in all of their dealings with INNOVA.

Over the years, INNOVA has established the reputation of providing value to our customers by offering quality ophthalmic instruments at fair prices. The combination of our company policies, quality manufacturers, and of course our employees, allow INNOVA to provide an unmatched ophthalmic instrument experience.

**InsidermedicineTV**

427 Princess St Suite 115 Kingston Ontario K7L 5S9  
[www.insidermedicine.com](http://www.insidermedicine.com)  
Rob Ewart  
Tel: 613-544-3400 x2227  
[rob@insidermedicine.com](mailto:rob@insidermedicine.com)



Insidermedicine is a physician-led news organization whose content is widely distributed across the Internet, on multiple platforms, including Google News, iTunes and Medline Plus. Insidermedicine has created unique video content with over 100 leading medical institutions, including Wills Eye Hospital, Mass Eye and Ear Infirmary and the CDC. An award-winning news service, Insidermedicine creates 15 minutes of original programming every day, and broadcasts 5 different shows. *InsidermedicineTV* is a highly-customizable waiting room TV solution that allows you to bring the latest evidence-based newscasts directly to your patients. Each day, new content will be delivered to your waiting room through our proprietary Internet TV system. Your channel also includes our popular *If I Had* series, which showcases some of the world's leading ophthalmologists explaining common eye conditions and procedures. Our production team can also work with you to create your own original programming and practice specific messages.

If you want to learn more about this unique, evidence-based communication tool, please visit us at our booth.



### Instrumentarium

1273 Saint-Louis, Terrebonne, QC J6W 1K6  
[www.instrumentarium-online.com](http://www.instrumentarium-online.com)  
Pierre-Alain Monette, Sales Representative  
Tel: 1-800-361-1502  
E-Mail: [pierre-alain.monette@instrumentarium-online.com](mailto:pierre-alain.monette@instrumentarium-online.com)



Instrumentarium sets the standard in Canada when it comes to ophthalmic surgery. Instrumentarium brand name surgical instruments are the very best quality German-made instruments on the market, and since they are delivered to us directly from the manufacturer, prices are exceptional. Instrumentarium is also the official exclusive distributor of renowned Katena surgical instruments and Hurricane Medical single-use products. We hold ISO certification and offer competitive prices and rapid delivery. Instrumentarium's repair technicians are reputed for the quality of their work on micro surgical instruments. Give us a call; we are at your service.

### Labtician Ophthalmics, Inc.

2140 Winston Park Drive, Unit 6 Oakville, ON L6H 5V5  
[www.labtician.com](http://www.labtician.com)  
Polydor Strouthos - President  
Lisa Dockray - Product Manager  
Tel: 905-829-0055 800-265-8391  
Fax: 905-829-0056  
[pstrouthos@labtician.com](mailto:pstrouthos@labtician.com)  
[ldockray@labtician.com](mailto:ldockray@labtician.com)



Labtician Ophthalmics, Inc. is a world leader in the manufacturing and distribution of Retinal Implants, Retinal Gases, Silicone Oils, Head Positioning devices and Lid Loads. Our reach expands to over 100 countries in 5 continents. This year, we are pleased to introduce the LABVit-KIT™ for intravitreal injections. In addition to our manufactured goods, Labtician is also a full-service solutions provider in the Canadian market for our current exclusively distributed line of products and for potential partners in both the pharmaceutical and medical device markets. Our current exclusively distributed product lines include BD Medical - Ophthalmic Systems (makers of the Atomic Edge™ cataract and LRI silicon knives and Safety cataract knives), BioTissue (manufacturers of AmnioGraft®), Dutch Ophthalmic, USA (providing VisionBlue® and Retinal instruments for 23, 25, 20 gauge surgery), Fluoron (offering quality liquids including Densiron® 68), and New World Medical (creators of the Ahmed™ Glaucoma Valve).

### LEO Pharma Inc.

123 Commerce Valley Drive E Suite 400  
Thornhill, ON L3T 7W8  
[www.leo-pharma.com/canada](http://www.leo-pharma.com/canada)  
Jennifer White  
Tel: 905-747-2352  
[jenn.white@leo-pharma.com](mailto:jenn.white@leo-pharma.com)



LEO Pharma Inc. is pleased to provide you with the latest information on Fucithalamic®, the first line, twice daily treatment for bacterial conjunctivitis. Please visit the booth to learn more about this product and to pick up diagnosis and treatment guidelines for the acute red eye and other useful materials.

### Medical Technology Service Providers Inc. (MTSP)

5 - 35 West Pearce St. Richmond Hill, ON L4B 3A9  
[www.mtsp.ca](http://www.mtsp.ca)  
Michael Mason  
Tel: 905-763-9477 / 1-877-763-9477  
[info@mtsp.ca](mailto:info@mtsp.ca)



Medical Technology Service Providers (MTSP) is a Canadian owned and operated company that brings the latest technology to your office. If you are interested in introducing the latest equipment to your practice, but do not want to incur the high cost of ownership, operating expenses and hassles, MTSP's services are ideal for you. MTSP has been providing superior diagnostic imaging and laser services to hundreds of doctors since 2003. We are the leaders in mobile technology services.



**Merck Frosst Canada Ltd.**

16711, autoroute Transcanadienne,  
Kirkland, Québec, H9H 3L1

[www.merckfrosst.com](http://www.merckfrosst.com).

Martin DiLauro

Tel: home office: 905-469-3343 - Cell phone: 416-807-0594

[martin\\_dilauro@merck.com](mailto:martin_dilauro@merck.com)



*Silver sponsor*

At Merck Frosst, patients come first. Merck Frosst Canada Ltd. is a research-driven pharmaceutical company discovering, developing and marketing a broad range of innovative medicines and vaccines to improve human health. The Merck Frosst Centre for Therapeutic Research, one of the largest biomedical research facilities in Canada, has the mandate to discover new therapies for the treatment of infectious diseases. Merck Frosst is one of the top 20 R&D investors in Canada, with an investment of \$110 million in 2007.

Merck Frosst is a recognized leader in the treatment of asthma, diabetes, osteoporosis, HIV/AIDS, glaucoma, prostate disease, migraine and infectious diseases. The company also markets an extensive line of cardiovascular products for high blood pressure, elevated cholesterol and heart failure as well as a broad range of vaccines. Based in Montréal, Quebec, Merck Frosst employs more than 1,100 people, including 225 of the world's leading scientific personnel. More information about Merck Frosst is available at <http://www.merckfrosst.com>.

**NeoMedix Corporation**

15042 Parkway Loop Suite A, Tustin, CA 29780 United States

[www.neomedix.net](http://www.neomedix.net)

Soheila Mirhashemi

Tel: 1-714-258-8355

[soheila@neomedix.net](mailto:soheila@neomedix.net)

**NeoMedix™**

NeoMedix is a Southern California-based company focusing on manufacturing and distribution of advance medical products such as the Trabectome. Trabectome is an FDA-cleared device for minimally invasive surgical treatment of open angle glaucoma. Using a low powered electro-surgical pulse, Trabectome safely ablates and removes a 60°-120° strip of trabecular meshwork and inner wall of Schlemm's canal, thereby re-establishing access to the eye's natural drainage pathway. Follow-up clinical data up to 60 months has shown to effectively lower IOP on average 30 percent with minimal complication. Over 2,000 patients have been treated in United States and internationally.

**Novartis Pharmaceuticals Canada Inc**

2233 Argentia Road, East Tower, Suite 200, Mississauga, ON L5N 2X7

[www.novartis.ca](http://www.novartis.ca)

Varsha Nagewadia

Tel: 905-813-6560

[varsha.nagewadia@novartis.com](mailto:varsha.nagewadia@novartis.com)



*Platinum sponsor*

Novartis Pharmaceuticals Canada Inc., Ophthalmics is committed to the development and marketing of innovative products to improve the ocular health of all Canadians. The company is focused on pharmaceuticals that assist in the treatment of age-related macular degeneration, eye inflammation and ocular allergies. Novartis Pharmaceuticals Canada Inc., Ophthalmics' vision is to deliver the next generation of breakthrough ophthalmic products to doctors and their patients. For further information about Novartis Pharmaceuticals Canada Inc., please visit [www.novartis.ca](http://www.novartis.ca)

**ORASIS Medical Technologies**

245 Croissant Therese

St-Joseph-du-lac, QC J0N 1M0 Canada

[www.orasimedtech.com](http://www.orasimedtech.com)

Vicky Ikonomou

Tel: 514-240-1276 Fax: 450-491-5365

[vicky@orasimedtech.com](mailto:vicky@orasimedtech.com)



Orasis Medical Technologies Inc. distributes a full range of state-of-the-art ophthalmic surgical devices from FCI® (France). Lachrymal stents and tubes, Bioceramic orbital implants (oval & spheres), retinal detachment devices, ptosis repair devices, dry eye products and ophthalmic surgical instruments. FCI® conforms to the world's highest standards for quality design, manufacturing, and service. Orasis medical Technologies Inc. in collaboration with FCI® is proud to help Canadian physicians improve the quality of their patients' lives through better vision and care.



**Pacific Medical Technologies Inc.**

#1 – 1520 Cliveden Avenue, Delta, BC, V3M 6J8  
[www.PacificMedical.ca](http://www.PacificMedical.ca)  
Tel.: 1-888-855-6558 ext. 302 Fax: 1-888-252-6558  
Drew Carlisle, President  
DCarlisle@PacificMedical.ca



Pacific Medical is one of Canada's leaders in medical equipment distribution to eyecare professionals. We are a nationwide full service distributor of ophthalmic products and services. We provide exam lane, pretesting, lab and surgical instruments as well as diagnostic lenses, laser technology, and a full range of small supplies and disposable products. Our mission is to provide eyecare professionals with quality, cost effective products and the best service standards in our industry. Along with our product offerings, we provide technical support and through our total customer care program, we offer ongoing training, service loaners as well as seminars and workshops with CE accredited speakers. At Pacific Medical, we are eyecare professionals dedicated to eyecare professionals.

**Pfizer Canada Inc.**

17,300 Trans Canada Highway, Kirkland, QC H9J 2M5  
[www.pfizer.ca](http://www.pfizer.ca)  
Paul Morris  
Tel.: 514-693-4552  
paul.morris@Pfizer.com

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Pfizer Canada Inc. is the Canadian operation of Pfizer Inc, the world's leading pharmaceutical company. Pfizer discovers, develops, manufactures and markets prescription medicines for humans and animals. Pfizer Inc invests more than US\$7 billion annually in R&D to discover and develop innovative life-saving and life-enhancing medicines in a wide range of therapeutic areas, including arthritis, cardiovascular disease, endocrinology, HIV/AIDS, infectious disease, neurological disease, oncology, ophthalmology and smoking cessation.

**Plusoptix Inc.**

1205 Hillsboro Mile #202  
Hillsboro Beach, FL 33062  
[www.plusoptix.com](http://www.plusoptix.com)  
attn. Christian Schmidt  
c.schmidt@plusoptix.com



Plusoptix is a German company specializing in the development, manufacturing and marketing of state-of-the-art videoretinoscopy devices. Products include Vision Screeners and Pediatric Autorefractors for infants aged 6 months and older. The unique feature of Plusoptix devices is binocular refraction measurement from one meter away. Measurements are fully automated and can be performed by nurses or technicians. Customers are pediatric ophthalmologists, general ophthalmologists and pediatricians. Plusoptix has established a subsidiary in Florida in order to efficiently serve the North American market.

**Sacor Inc.**

12 - 300 Steelcase Rd. W. Markham, ON L3R 2W2  
[www.sacor.com](http://www.sacor.com)  
Christopher Cowan, President & General Manager  
Tel: 1-800-263-3557  
info@sacor.com



Sacor provides you with best service and best value for all your ophthalmic needs!  
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**Sigmacon Medical Products Corp..**

436 Limestone cres., North York, ON M3J 2S4  
[www.sigmacon.com](http://www.sigmacon.com)  
Aili Tao  
Tel.: 416-665-6616  
[aili.tao@sigmacon.com](mailto:aili.tao@sigmacon.com)



Sigmacon is Canada's pre-eminent supplier of leading edge health technologies, with more than 25 years of experience and a national network of professional representatives and an award-winning service team. Sigmacon is the exclusive Canadian distributor of refractive technologies for Abbott Medical Optics, Inc. (AMO), including the Star S4 IR™ Excimer Laser, WaveScan WaveFront™ System, and IntraLase™ FS Laser. Sigmacon also provides turnkey aesthetic solutions, including a variety of ablative and non-ablative medical devices, professional skin care lines and dermal fillers.

**Stryker Canada**

45 Innovation Drive Hamilton, ON L9H 7L8  
[www.stryker.com](http://www.stryker.com)  
Nicole Drexler  
Tel: 800-668-8324  
[Nicole.Drexler@stryker.com](mailto:Nicole.Drexler@stryker.com)



Stryker brings uniquely Canadian solutions to the Canadian market. We collaborate with surgeons and health care providers to expedite new technologies for the benefit of Canadian patients. We are also a world-class leader in telehealth technology, improving the availability of surgical care to Canadians living in remote geographical locations, who might otherwise not have access to the required medical care. We bring the best technology into Canada, where we combine it with local talent and expertise with the goal to consistently exceed our customers' expectations.

**Surge Canada Medical Inc**

425 Hespeler Rd. Suite 412  
Cambridge, Ontario  
N1R 8J6  
416-726-1435  
519-622-4317  
[surgecanada@msn.com](mailto:surgecanada@msn.com)

Surge Canada Medical Inc. is an independent distributor dedicated to bringing the latest technology to the Canadian Market. Surge Canada continues to offer Rhein instruments for cataract and plastic surgery as well as Diamond knives of all configurations. We offer a repair program for instruments, diamond knives and phaco handpieces. This year we are highlighting; the custom made Artificial Iris from Human Optics, EndoOptiks ECP laser and the B-Scan from Accutome.

**TOPCON CANADA**

87 Northland RD, Waterloo, ON, N2V 1Y8  
[www.topcon.ca](http://www.topcon.ca)  
Al Brooks, President  
Tel.: 519-725-2020 Fax:519-725-2377  
[abrooks@topcon.ca](mailto:abrooks@topcon.ca)

**TOPCON CANADA INC.**



TOPCON CANADA is your sales and service source for diagnostic, refractive, and imaging solutions. Distributing ophthalmic products and supplies from world renowned manufacturers including TOPCON, AMTEK, WELCH ALLYN, PARADIGM, GULDEN, M&S TECHNOLOGIES, ACCUTOME (selected products), VOLK and many others.



**Valeo Pharma Inc.**

16667, boul. Hymus, Kirkland, Quebec, H9H 4R9  
[www.valeopharma.com](http://www.valeopharma.com)  
Nathalie Assaraf, Business Unit Manager – Chef d'unités d'affaires  
Tel: 514-467-7473 Fax: 514-694-0865  
Assaraf@valeopharma.com

Dean Michelin  
Vice-President Commercial Operations – Vice-Président des Opérations Commerciales  
Tel: 514-245-2911 Fax: 514-694-0865  
Michelin@valeopharma.com



**VALEO PHARMA**

Valeo Pharma Inc. manufactures and markets classic and innovative prescription and OTC brands. Valeo's core dermatology portfolio includes heritage brands, such as Aristocort® Cream and Ointment, Valisone® Scalp Lotion, Valisone® G, Clinda-T® and Capsaicin Cream. Hydrosal® Gel, for hyperhidrosis, is one of the innovative brands developed and marketed by Valeo Pharma Inc. Beyond dermatology, Valeo Pharma markets and distributes products in other therapeutic areas such as ophthalmology and is actively promoting Lacrisert® ophthalmic inserts for moderate to severe dry eye syndrome patients.

Valeo Pharma continues to aggressively seek other product opportunities with Canadian and International companies.

**Walsh Medical Devices Inc.**

1200 South Service Rd. W. unit 3  
Bill Whittington  
Tel.: 905-844-8344  
whittington@walshmedical.com



Walsh Medical Devices Inc. manufactures and distributes the Crawford Lacrimal Intubation system. The products within the Crawford system include the Original Crawford Set, the Crawford Set with Suture, the Crawford-Bellan Set, and Large Diameter Crawford II Sets with and without Suture. Associated instruments, which are part of the system, include the Crawford retrieval Hook, the Anderson-Hwang Grooved Director and the Tubing Stripper. Walsh also manufactures a battery-powered cautery which may be used during Ophthalmic, General and Plastic Surgery. Walsh also conducts research related to products such as fibre optic dosimetry probes and fibre optic light diffusers.

**Financial disclosure  
Divulguation des intérêts financiers**

The Canadian Ophthalmological Society requires that each presenter in this accredited educational activity disclose the existence of any financial interest and /or other relationship(s) that would potentially affect the objectivity of the presentation. Speakers are also asked to make a disclosure that a product is still investigational when an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity. The disclosed information in no way presumes to assess the participant's qualifications or suitability. The intention is to provide full disclosure of any potential conflict of interest, real or perceived.

The following are financial disclosures received from invited speakers, as of program printing:

Alan Crandall  
Employment/Honoraria/Consulting Fees:  
Alcon, Allergan, ASICO, Mastel Surgical  
Membership on an advisory panel, standing committee, or board of directors:  
I-Science, eSinomed, Omeros, Glaucoma Today, Vimetrics

William Fishkind  
Employment/Honoraria/Consulting Fees:  
Abbot Medical Optics, Consultant. LensAR, Consultant  
Other Financial or Material Interest:  
Royalty Income, Thieme Publishers.

Aki Kawasaki  
Membership on an advisory panel, standing committee, or board of directors:  
member of advisory panel for Bayer S.p.A.

Steve Wilson  
Employment/Honoraria/Consulting Fees:  
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Membership on an advisory panel, standing committee, or board of directors:  
Allergan

Rohit Varma  
Grant/Research Support:  
NEI, Allergan, Pfizer, Genentech, Aquesys, Optovue  
Employment/Honoraria/Consulting Fees:  
Allergan, Pfizer, Alcon, Genentech, Aquesys, Bausch & Lomb, Laboratorios



### Registration - L'inscription

As a benefit of membership, there is no registration fee for members of the Canadian Ophthalmological Society. Registration includes admittance to the scientific sessions and exhibition.

À titre d'avantage particulier, l'inscription est gratuite pour les membres de la Société canadienne. Elle comprend l'assistance aux activités scientifiques et la visite de l'exposition.

### Scientific Meeting Fees - Frais d'inscription

Includes admission to Exhibition Hall, courses and scientific meeting.  
(admission à la salle d'exposition, aux cours et aux réunions scientifiques)

Advance Registration  
**Before May 22**

Late Registration  
**As of May 23**

#### COS MEMBERS - MEMBRES DE LA SCO

##### Active Members

(includes: associate, affiliated, international, junior and practicing life categories)

No charge

\$100

##### Membres actifs

(y compris : associés, affiliés, internationaux, juniors et exerçants à vie)

##### Life members—retired

##### Membres à vie retraités

\$70

\$100

Guests: \$75.00 – includes admission to the Exhibition Hall and welcome reception

Invités: 75 \$ (admission à la salle d'exposition et à la réception d'accueil compris)

#### NON-MEMBERS - NON-MEMBRES

##### Canadian medical student (proof required)

##### Étudiants canadiens en médecine (attestation requise)

No charge

\$75

##### Basic scientist/Vision researcher/ Family physician

##### Scientifique fondamental – Chercheur en vision – Médecin de famille

\$325

\$425

##### Eye Bank Administrator

##### Administrateurs de la Banque d'yeux

\$70

\$125

##### All others

##### Autres

\$625

\$725

#### ALLIED HEALTH PROFESSIONS - PROFESSIONS CONNEXES DE LA SANTÉ

##### Member (CSOMP, CSORN, TCOS) AACO members are extended the TCOS member rate

##### Membres (SCPMO, SCIIO, LSCO) y compris les membres de l'AACO

\$170

\$220

##### Non-members

##### Non-membres

\$220

\$280

##### Students

##### Étudiant(e)s

\$70

\$125

#### Register at [eyesite.ca](http://eyesite.ca)

All participants must register for the meeting in order to attend and present.  
Tous les congressistes doivent s'inscrire au congrès pour y assister et participer.

Veuillez vous inscrire à [eyesite.ca](http://eyesite.ca)





## Travel - Voyage et déplacements

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### Travel to Toronto

Air Canada has been appointed the official airline for the Annual COS Meeting and Exhibition. To take advantage of discounted fares, please visit [aircanada.com](http://aircanada.com) or contact your travel agent directly. Be sure to input convention number 4RD4QBJ1 in the promotion code area on the airline's home page.

Porter Airlines is offering the Canadian Ophthalmological Society conference attendees a **15% discount** on all fare classes. Porter lands you at Toronto City Centre Airport, approximately one kilometer from the conference site. We also offer you complimentary use of our lounge, free in-flight snacks and beverages (including beer and wine). The discounted fares are available from June 18th to June 25th, 2009. Please book online at [www.flyporter.com](http://www.flyporter.com) or call 1-888-619-8622 using the promo code **COS15**.

### Voyage à Toronto

La société Air Canada a été désignée transporteur aérien officiel du Congrès et exposition annuels de la SCO. Pour profiter du tarif réduit, veuillez visiter le site Internet [aircanada.com](http://aircanada.com) ou communiquer directement avec votre agence de voyage. Assurez-vous de mentionner le numéro de convention 4RD4QBJ1 dans la case code professionnel de sa page d'accueil.

Porter Airlines offre aux délégués du congrès de la Société canadienne d'ophtalmologie un **rabais de 15 %** du prix des billets d'avion de toute classe. Porter vous déposera à l'Aéroport du centre-ville de Toronto, environ un kilomètre du site du congrès. Nous offrons aussi gracieusement l'accès à notre bar, des goûters et breuvages gratuits en vol (y compris bière et vin). Les billets à rabais seront disponibles du 18 au 25 juin 2009. Veuillez réserver en ligne à [www.flyporter.com](http://www.flyporter.com) ou par téléphone au 1-888-619-8622 en utilisant le code promotionnel **COS15**.

## Accommodation - Hébergement

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### Westin Harbour Castle

1 Harbour Square, Toronto, ON M5J 1A6  
Tel: 416-869-1600 Fax: 416-869-0573

**Special group rate of \$235.00 available until May 24, 2009, based on availability.**

Reserve now to book your room at the preferred rate!  
Reservations: 1 (800) WESTIN1 or [www.eyesite.ca/annualmeeting/2009/accommodation\\_e.html](http://www.eyesite.ca/annualmeeting/2009/accommodation_e.html)

### Westin Harbour Castle

1 Harbour Square, Toronto, ON M5J 1A6  
Tél: 416-869-1600 Télécopieur: 416-869-0573

**Tarif spécial de groupe : 235 \$, accessible jusqu'au 24 mai 2009, selon la disponibilité.**

Réservez votre chambre maintenant au taux préférentiel!  
Réservations : 1 (800) WESTIN1 ou [http://eyesite.ca/annualmeeting/2009/accommodation\\_f.html](http://eyesite.ca/annualmeeting/2009/accommodation_f.html)

## Registration Desk Hours - Heures d'ouverture du comptoir d'inscription

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Location: Cloakroom

Friday, June 19  
1600-1900

Saturday, June 20 through Tuesday, June 23  
0700-1700

Endroit : Cloakroom

Vendredi 19 juin  
1600-1900

Samedi 20 juin au mardi 23 juin  
0700-1700

## Badges/Security - Insignes et sécurité

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All registered delegates must wear their badges to gain admission to conference activities. Badges are not transferable under any circumstances. They must not be altered or defaced and must not be concealed by business cards, pins or stickers. Lost badges can be replaced at the Registration Desk.

Les congressistes inscrits doivent porter leurs insignes, qui sont absolument personnels, pour être admis aux activités. On ne doit ni les modifier, ni les rendre illisibles ni les masquer par une carte d'affaires, une épinglette ou un autocollant. Les insignes perdus sont remplaçables au comptoir d'inscription.

## Cancellation/Refund Policy - Annulations et remboursements

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No refunds allowed

Aucun remboursement



## Speaker Information - Information des conférenciers

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### Audio-Visual Presentations

Speakers are required to upload their oral presentation files directly to: <http://cos2009.mediaco.ca>.

**You must submit your files no later than June 19.**

The submission site will close on June 19 at 1600.

URL: <http://cos2009.mediaco.ca>

User name: presenter

Password: COS2009

If you miss the June 19 deadline, you must submit your presentation at the conference site at least **3 hours** prior to your session. **Memory sticks will NOT be accepted in the presentation rooms.** There will be no exceptions.

Please visit the Speakers' Preview Room, **Queens Quay 1**, at the Westin Harbour Castle hotel a **minimum of three (3) hours before your session begins**. Bring a backup copy of your presentation and check in with the Presentation Manager to ensure that your presentation was received and is assigned correctly. Changes may be made at this time. **No changes or submissions are allowed once a session has started.** Laptops with MS PowerPoint 2007 will be installed in each presentation room. All presentations will be kept confidential and removed immediately from all computers at the conclusion of the meeting.

Speaker Viewing Room: Queens Quay 1

Hours of Operation:

0600-1800 / Friday, June 19

0700-1700 / Saturday, June 20 through Tuesday, June 23

### Exposés audiovisuels

Les présentateurs sont priés de télécharger leur exposé oral directement sur <http://cos2009.mediaco.ca>.

**Vous devez présenter votre fichier au plus tard le 19 juin.**

Le site de présentation fermera à 16 heures le 19 juin.

URL : <http://cos2009.mediaco.ca>

Nom d'utilisateur : présentateur

Mot de passe : COS2009

Si vous ratez la tombée du 19 juin, vous devez présenter votre exposé sur place au moins **3 heures** avant le début de votre session. **Les cartes mémoires flash ne seront pas acceptées dans les salles d'exposés.** Il n'y aura pas d'exception.

Veuillez vous présenter à la Salle de prévisualisation des conférenciers, **Queens Quay 1**, à l'hôtel Westin Harbour Castle, **au moins trois (3) heures avant le début de votre session**. Apportez une copie de sauvegarde de votre exposé et présentez-vous au gestionnaire de la présentation pour vous assurer que votre exposé a été reçu et est au programme. Il est encore temps d'apporter des modifications. **Aucune modification ni soumission ne sera autorisée une fois la session commencée.** Des ordinateurs portables seront installés dans chaque salle de présentation. Les exposés seront tenus confidentiels et retirés des ordinateurs à la fin de la session.

Salle de visionnement des conférenciers : Queens Quay 1

Horaires :

0600-1800 / Vendredi 19 juin

0700-1700 / Samedi 20 juin à mardi 23 juin

## Evaluation and Continuing Professional Development (CPD) Credits Évaluation et crédits de perfectionnement professionnel continu (PPC)

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### NEW THIS YEAR!

COS is pleased to announce a new initiative: on-line evaluation and credit tracking form! This will be a fast and easy way for you to rate your experience of the annual meeting and keep track of your credits at the same time. In order to claim your CPD credits, you must complete the on-line evaluation form. Details will be provided at registration. Arrangements can be made for those without access to the Internet.

The COS 2009 Annual Meeting and Exhibition is an accredited group learning activity under Section 1 of the Maintenance of Certification program as defined by the Royal College of Physicians and Surgeons of Canada. Participants may claim 1 credit for each hour of attendance, for a maximum of 27 credit hours.

### NOUVEAU CETTE ANNÉE!

La SCO a le plaisir d'annoncer une nouvelle initiative : l'évaluation et le suivi des crédits en ligne! Une façon facile et rapide pour vous d'évaluer votre expérience du congrès annuel et de retracer vos crédits en même temps. Pour réclamer vos crédits, vous devez remplir un formulaire d'évaluation en ligne. Les détails vous seront transmis lors de l'inscription. Des dispositions seront mises à la portée de ceux qui n'ont pas accès à Internet.

Les congrès et exposition annuels 2009 de la SCO sont une activité agréée de formation de groupe que le Collège royal des médecins et chirurgiens du Canada définit comme étant de catégorie 1 dans le cadre du programme de maintien du certificat. Les participants peuvent demander 1 crédit pour chaque heure de participation, jusqu'à un maximum de 27 heures de crédit.



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## **Residents' Reception: *Shaken and Stirred!* - Réception des résidents : *Secoués et remués!***

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### **Saturday June 20, 1600-1700**

Location: Westin lobby lounge

Residents, please join us for a cocktail. Meet the COS board and staff, and learn more about COS and how COS membership benefits you.

### **Samedi 20 juin, 1600-1700**

Endroit : Westin lobby lounge

Résidents, joignez-vous à nous au cocktail. Rencontrer le conseil et le personnel de la SCO, renseignez-vous sur la SCO et les avantages qu'elle vous offre.

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## **Fun Run - Kilomètre du rire**

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### **Sunday, June 21, 0630-0730 Dockside 4**

\$15 includes breakfast and a T-shirt

Start your day off right! Put on your sneakers and join us for a fun and energizing run around Toronto's scenic harbour front.

### **Dimanche 21 juin, 0630 - 0730 Dockside 4**

15 \$, petit-déjeuner et t-shirt compris

Commencez la journée du bon pied! Chaussez vos espadrilles et venez vous amuser et stimuler votre énergie en courant avec nous dans la pittoresque ambiance du vieux port de Toronto.

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## **Welcome Reception - Réception d'accueil**

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### **Sunday, June 21, 1700-1830**

Please join us in the Exhibition Hall to officially open the 2009 Annual Meeting. No charge to registered delegates.

### **Dimanche 21 juin, 1700 - 1830**

Venez participer à l'ouverture officielle du congrès de 2009 à la Salle d'exposition. Sans frais pour les congressistes inscrits.

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## **COS Gala Evening - Soirée de gala de la SCO**

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### **Monday, June 22, 1900-2100**

Meet in Westin Lobby; departure time to be announced  
Tickets: \$135 per person

Join us for this extra-special event! The 2009 COS gala evening will be one to remember. Start your evening on a high note at Glenn Gould studios, located in the CBC's national broadcasting centre. COS guests will be treated to a concert by the Via Salzburg Chamber Orchestra, led by renowned violinist Mayumi Seiler. The *Globe and Mail* hailed Via Salzburg as "an elite band of string players that performs with passion and dedication". Ms Seiler's concerts this season have taken her to Carnegie Hall, Vienna, London and Amsterdam.

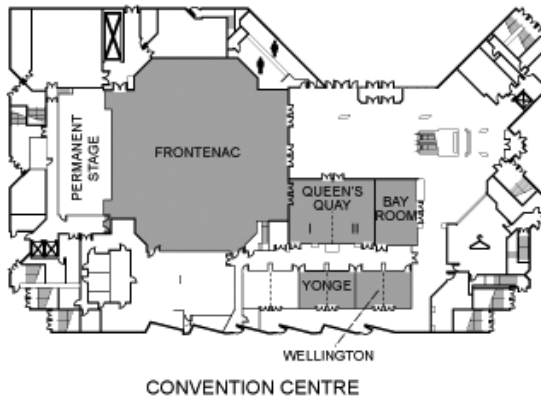
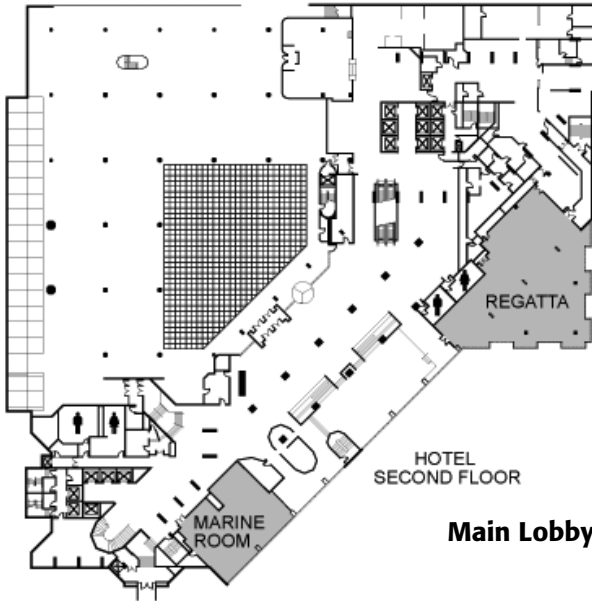
The program will run the gamut from classical favourites by Vivaldi and Grieg to lesser-known works that will sweep you away. And we even promise you some surprises along the way! A reception and dinner will follow.

### **Lundi 22 juin, 1900-2100**

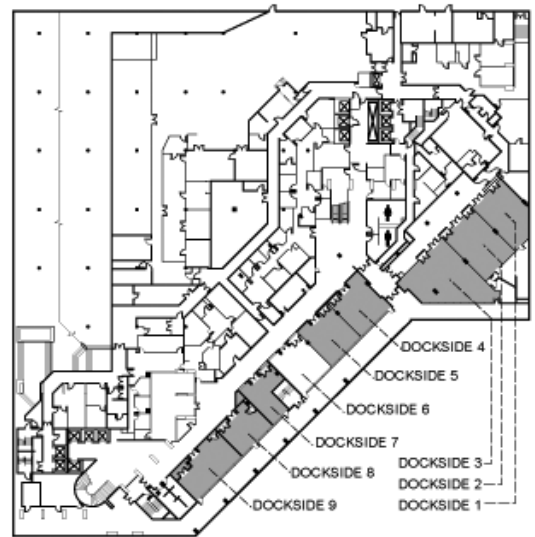
Rencontre dans le hall du Westin;  
heure du départ à annoncer  
Billets: 135 \$ par personne

Joignez-vous à nous pour cette activité toute particulière! La Soirée de gala 2009 de la SCO sera mémorable. Commencez votre soirée sur la bonne note au studio Glenn Gould, situé au centre national de diffusion de la CBC. Les invités de la SCO se verront offrir un concert par l'orchestre de chambre Via Salzburg sous la direction du renommé violoniste Mayumi Seiler. Le *Globe and Mail* a louangé l'orchestre Via Salzburg la qualifiant de « groupe d'élite de violonistes qui se donnent avec passion. » Les concert de Mlle Seiler de cette saison l'on menée à Carnegie Hall, à Vienne, à Londres et à Amsterdam.

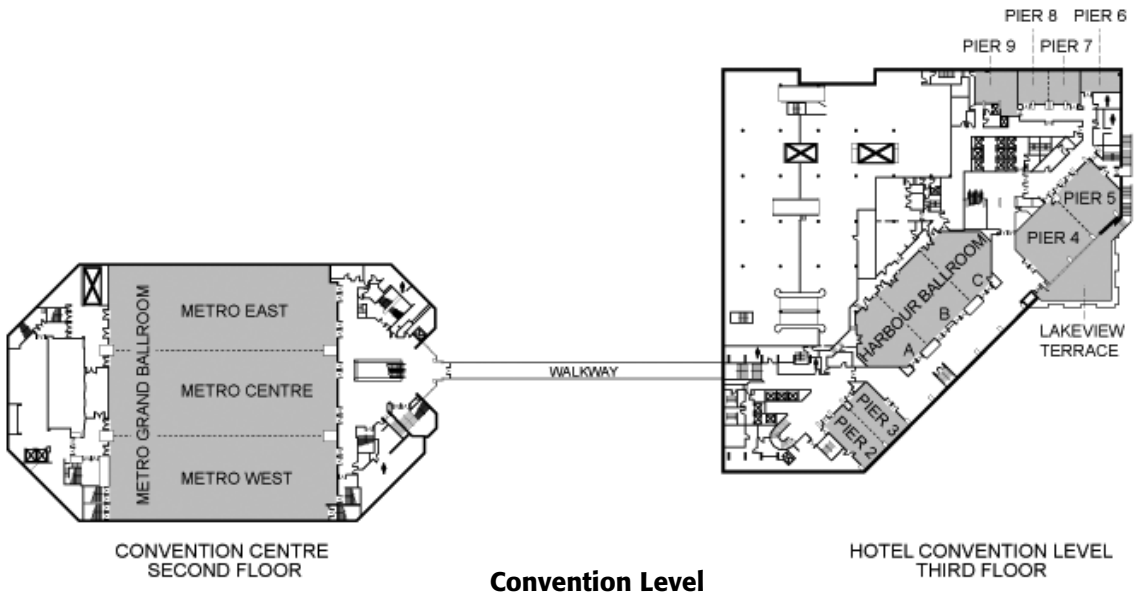
Le programme passera de la gamme des classiques favoris de Vivaldi et Grieg à des œuvres moins connues qui vous emporteront. Nous vous promettons même quelques surprises en chemin! La réception et le dîner suivront.



**Lower Level**



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Canadian Société  
Ophthalmological canadienne  
Society d'ophtalmologie

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affiliées  
et  
Groupes  
d'intérêt  
particulier**

Association canadienne des ophtalmologistes pédiatriques  
Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive  
Société canadienne du glaucome  
Société canadienne de la neuro-ophtalmologie  
Société canadienne de la pathologie oculaire  
Société canadienne de l'oculoplastie et de la chirurgie reconstructrice  
Société canadienne de la rétine et du vitré  
Société canadienne de l'uvéite  
Société canadienne de l'ophtalmologie internationale et de la santé publique  
Ophtalmologie générale  
Déficience visuelle : la réadaptation

**Sociétés connexes de la santé**

Société canadienne du personnel médical en ophtalmologie  
Société canadienne des infirmières et infirmiers en ophtalmologie  
La société canadienne d'orthoptique

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