Canadian Ophthalmological Society
Société canadienne d'ophtalmologie
EYE PHYSICIANS AND SURGEONS OF CANADA | MÉDECINS ET CHIRURGIENS OPHTALMOLOGISTES DU CANADA

2016

ANNUAL MEETING & EXHIBITION

CONGRÈS ANNUEL ET EXPOSITION

OTTAWA

JUNE 17-20 JUIN, 2016
SHAW CENTRE / OTTAWA, ONTARIO, CANADA

cos-sco.ca/ottawa2016

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	Canada Hall 1	Room 206	Room 202	
FRIDAY, JUNE 17 / VENDREDI LE 17 JUIN				
0800 – 1700	1530 – 1630 Town Hall – Subspecialty Societies: What you need to know to minimize risk *(p. 30)* *Forum - Sociétés de surspécialités : ce qu'il faut savoir pour réduire les risques* **Location: Quebec Room, Ottawa Westin Hotel**	1700 – 1745 How to Maximize Your CPD Credits *(p. 30)* *Comment maximiser vos crédits de DPC* **Location: British Columbia Room, Ottawa Westin Hotel**	0800 – 1700 Pathology *(p. 25)* *Pathologie* (lunch at noon)	
1800 – 1930	**Welcome Reception/UIS launch (Shaw Centre Parliament Foyer) | *Réception d'accueil (Centre Shaw, Foyer Parliament)***			
SATURDAY, JUNE 18 / SAMEDI LE 18 JUIN				
0630 – 0800		Co-developed accredited symposium *(p. 32) Symposium agréé élaboré conjointement*		
0700 – 0800	**Breakfast | *Petit déjeuner***			
0800 – 1000	Current Concepts I *(p. 34)* *Notions courantes I*			
1000 – 1045	**Break in the Exhibit Hall | *Pause dans la salle d'exposition***			
1045 – 1215	Vision rehabilitation *(p. 36)* *Réadaptation visuelle*	Glaucoma I *(p. 37)* *Glaucome I*	Pediatrics I *(p. 38)* *Pédiatrie I*	
1215 – 1330	**COS Annual General Meeting | *Assemblée générale annuelle de la SCO* (Ontario Room, Ottawa Westin Hotel)**			
1330 – 1500	Controversies in Cornea *(p. 41)* *Controverses autour de la cornée*	Glaucoma II *(p. 42)* *Glaucome II*	Pediatrics II *(p. 43)* *Pédiatrie II*	
1500 – 1545	**Break in the Exhibit Hall | *Pause dans la salle d'exposition***			
1545 – 1715	Refractive Cornea Surgery *(p. 46)* *Chirurgie réfractive de la cornée*	*Glaucoma III (p. 47)* *Glaucome III*	Pediatrics III *(p. 48)* *Pédiatrie III*	
1900	**Sub-specialty Dinners | *Soupers de sociétés affiliées***			
SUNDAY, JUNE 19 / DIMANCHE LE 19 JUIN				
0630 – 0800		Co-developed accredited symposium *(p. 52) Symposium agréé élaboré conjointement*		
0700 – 0800	**Breakfast | *Petit déjeuner***			
0800 – 1000	Current Concepts II *(p. 51)* *Notions courantes II*			
1000 – 1045	**Break in the Exhibit Hall | *Pause dans la salle d'exposition***			
1045 – 1215	Clinical Update: Pediatrics *(p. 55)* *Mise à jour clinique : pédiatrie*	Retina I *(p. 56)* *Rétine I*	Oculoplastics I - General *(p. 57)* *Oculoplastie I - Générale*	
1215 – 1330	**President's Luncheon (Invite only) | *Dîner du Président (Sur invitation seulement)***			
1330 – 1500		Neuro-ophthalmology I *(p. 60)* *Neuro-ophtalmologie I*	Oculoplastics II - Free Papers *(p. 61)* *Oculoplastie II - Exposés libres*	
1500 – 1545	**Break in the Exhibit Hall | *Pause dans la salle d'exposition***			
1545 – 1715	Clinical Update: Retina *(p. 63)* *Mise à jour clinique : rétine*	Neuro-ophthalmology II *(p. 64)* *Neuro-ophtalmologie II*	Oculoplastics III - Free Papers *(p. 61)* *Oculoplastie III - Exposés libres*	
1715 – 1815	**Networking Event in the Exhibit Hall | *Réception de réseautage dans la salle d'exposition***			
MONDAY, JUNE 20 / LUNDI LE 20 JUIN				
0600 – 0800	**Fun Run (or Walk!) | *Course amusante***			
0630 – 0800		Women in Ophthalmology Symposium *(p. 68)* *Symposium: Les femmes et l'ophtalmologie* **Location: Les Saisons, Ottawa Westin Hotel**		
0700 – 0800	**Breakfast | *Petit déjeuner***			
0800 – 1000	Current Concepts III *(p. 69)* *Notions courantes III*			
1000 – 1045	**Break in the Exhibit Hall | *Pause dans la salle d'exposition***			
1045 – 1215	Symposium: Refractive Cornea Surgery *(p. 72)* *Symposium : Chirurgie réfractive de la cornée*	Glaucoma Workshop: Imaging in Glaucoma *(p. 73)* *Glaucome - Atelier pratique sur l'interprétation des TCO*	Workshop: Retinal OCT *(p. 76)* *Atelier : TCO Rétinienne*	
1215 – 1330	**Lunch in Exhibit Hall | *Dîner dans la salle d'exposition***			
1330 – 1500	Cataract I *(p. 78)* *Cataracte I*	Uveitis *(p. 79)* *Uvéite*	Retina II *(p. 80)* *Rétine II*	
1500 – 1545	**Break | *Pause***			
1545 – 1715	Cataract II *(p. 83)* *Cataracte II*	Uveitis Symposium *(p. 85)* *Symposium : Uvéite*	Retina III *(p. 86)* *Rétine III*	

Room 203	Room 204	Room 205	
			FRIDAY, JUNE 17 / VENDREDI LE 17 JUIN
1200 – 1700 Symposium for Young Ophthalmologists and Residents *(p. 27)* *Symposium pour les jeunes ophtalmologistes et résidents* **Location: Les Saisons, Ottawa Westin Hotel**	1300 – 1700 TCOS Workshop *(p. 29)* *Atelier LSCO*		0800 – 1700
Welcome Reception/UIS launch (Shaw Centre Parliament Foyer) | *Réception d'accueil (Centre Shaw, Foyer Parliament)*			1800 – 1930
			SATURDAY, JUNE 18 / SAMEDI LE 18 JUIN
			0630 – 0800
Breakfast | *Petit déjeuner*			0700 – 0800
	CSORN *(p. 35)* *SCIIO*		0800 – 1000
Break in the Exhibit Hall | *Pause dans la salle d'exposition*			1000 – 1045
Surgical Teaching Series *(p. 39)* *Enseignement chirurgical*	CSORN *(p. 35)* *SCIIO*	STC: Cornea *(p. 40)* *CTC : Cornée*	1045 – 1215
Lunch in the Exhibit Hall | *Dîner dans la salle d'exposition*			1215 – 1330
Challenging Cataract Cases *(p. 44)* *Cas de cataracte complexes*	CSORN *(p. 35)* *SCIIO*	STC: Cataract *(p. 45)* *CTC : Cataracte*	1330 – 1500
Break in the Exhibit Hall | *Pause dans la salle d'exposition*			1500 – 1545
Ocular Regenerative Medicine *(p. 49)* *Médicine oculaire régénérative*	CSORN *(p. 35)* *SCIIO*	STC: Cataract (repeat) *(p. 45)* *CTC : Cataracte (reprise)*	1545 – 1715
Sub-specialty Dinners | *Soupers de sociétés affiliées*			1900
			SUNDAY, JUNE 19 / DIMANCHE LE 19 JUIN
			0630 – 0800
Breakfast | *Petit déjeuner*			0700 – 0800
	CSOMP *(p. 54)* *SCPMO*		0800 – 1000
Break in the Exhibit Hall | *Pause dans la salle d'exposition*			1000 – 1045
Public Health Ophthalmology *(p. 58)* *Ophtalmologie et santé publique*	CSOMP *(p. 54)* *SCPMO*	STC: Glaucoma MIGS *(p. 59)* *CTC: Glaucome*	1045 – 1215
Lunch in the Exhibit Hall | *Dîner dans la salle d'exposition*			1215 – 1330
International Ophthalmology *(p. 62)* *Ophtalmologie internationale*	CSOMP *(p. 54)* *SCPMO*	STC: Glaucoma MIGS (repeat) *(p. 59)* *CTC: Glaucome (reprise)*	1330 – 1500
Break in the Exhibit Hall | *Pause dans la salle d'exposition*			1500 – 1545
Clinical Update: Glaucoma *(p. 65)* *Mise à jour clinique : glaucome*	CSOMP *(p. 54)* *SCPMO*	STC: Strabismus *(p. 66)* *CTC: Strabisme*	1545 – 1715
Networking Event in the Exhibit Hall | *Réception de réseautage dans la salle d'exposition*			1715 – 1815
			MONDAY, JUNE 20 / LUNDI LE 20 JUIN
Fun Run (or Walk!) | *Course amusante*			0600 – 0800
			0630 – 0800
Breakfast | *Petit déjeuner*			0700 – 0800
	TCOS *(p. 70)* *LSCO*		0800 – 1000
Break in the Exhibit Hall | *Pause dans la salle d'exposition*			1000 – 1045
Symposium: Cataract Surgery OVDs *(p. 74)* *Symposium : DVOs pour chirurgie de la cataracte*	TCOS *(p. 70)* *LSCO*	1030-1300 STC: Oculoplastics *(p. 77)* *CTC : Oculoplastie* **Location: uOSSC - offered offsite** ***CCSuO - offert hors du site***	1045 – 1215
Lunch in Exhibit Hall | *Dîner dans la salle d'exposition*			1215 – 1330
Cornea I *(p. 82)* *Cornée I*	TCOS *(p. 70)* *LSCO*		1330 – 1500
Break | *Pause*			1500 – 1545
Cornea II *(p. 87)* *Cornée II*	TCOS *(p. 70)* *LSCO*		1545 – 1715

GENERAL INFORMATION

Registration

Registration desk: Parliament Foyer, Shaw Centre

Friday, June 17	0730 – 1730
Saturday, June 18	0630 – 1730
Sunday, June 19	0630 – 1730
Monday, June 20	0630 – 1700

Speaker Information

Note: You may make changes to your presentation up to 1 hour before the start of your session. We will not accept presentations within 1 hour of the START OF THE SESSION. If you do not upload your presentation, you will not be allowed to present.

- If necessary, edit and revise your presentation the day before your scheduled talk. You can make changes to your presentation up to one hour before the start of your session
- Ensure your presentation meets the accreditation requirements
- Ensure you have included your financial disclosure slide as the second slide of your presentation
- Upload and check your presentation in the speaker preview room
- Confirm it has been received and is scheduled correctly
- Arrive 15 minutes before the start of your session and check in with the session moderator

Speaker Preview Room and AV Assistance

Speakers may preview their presentations, make any changes, or get assistance from the audiovisual staff on site.

The speaker preview room is located on the **second floor of the Shaw Centre** and will be open during the following hours:

Thursday, June 16	1500 – 1800
Friday, June 17	0700 – 1715
Saturday, June 18	0630 – 1715
Sunday, June 19	0630 – 1715
Monday, June 20	0700 – 1545

Exhibit Hours

See the latest, most innovative products, services, technology and educational resources available from more than 40 ophthalmic companies. This is the largest exhibition of its kind in Canada. Join us in the exhibition hall for lunch and refreshment breaks.

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

Saturday, June 18	0930 – 1700
Sunday, June 19	0930 – 1830
Monday, June 20	0930 – 1330

RENSEIGNEMENTS GÉNÉRAUX

Inscription

Bureau d'inscription : Foyer Parliament, Centre Shaw

Le vendredi 17 juin	0730 – 1730
Le samedi 18 juin	0630 – 1730
Le dimanche 19 juin	0630 – 1730
Le lundi 20 juin	0630 – 1700

Information pour les conférenciers

Note : Votre présentation doit être téléchargée à l'avance. Nous n'accepterons pas les présentations dans l'heure précédant le début des sessions. Si vous n'avez pas téléchargé votre présentation, vous ne pourrez pas la présenter.

- Révisez et corrigez votre présentation, si nécessaire, le jour précédent votre présentation. Vous pourrez apporter des modifications à votre présentation jusqu'à l'heure précédent la session durant laquelle votre présentation aura lieu
- Assurez-vous que votre présentation est conforme aux normes d'accréditation
- Incluez une diapositive concernant la divulgation des intérêts financiers comme deuxième diapositive de votre présentation
- Téléchargez et vérifiez votre présentation directement dans la salle d'aperçu des conférenciers
- Veuillez confirmer que votre présentation a bien été reçue et qu'elle est bien mise à l'horaire
- Arrivez 15 minutes avant le début de votre séance et signalez votre présence avec l'animateur de la session

Exposés audiovisuels

Les conférenciers peuvent prévisualiser leurs présentations, faire des changements, ou d'obtenir l'aide du personnel de l'audiovisuel sur place.

La salle d'aperçu des conférenciers est située **au deuxième étage du Centre Shaw** and sera ouvert pendant les heures suivantes :

Le jeudi 16 juin	1500 – 1800
Le vendredi 17 juin	0700 – 1715
Le samedi 18 juin	0630 – 1715
Le dimanche 19 juin	0630 – 1715
Le lundi 20 juin	0700 – 1545

Heures d'exposition

Voyez les derniers développements en matière de services, de technologie et de sources de perfectionnement accessible chez plus des 40 compagnies ophtalmiques. C'est la plus grande exposition du genre au Canada. Rejoignez-nous dans la salle d'exposition chaque jour pour le dîner et les pauses-rafraîchissements.

Cette rencontre de formation n'aurait pas été possible sans le soutien généreux de nos exposants. S'il-vous-plaît prendre le temps de visiter le kiosque de chaque fournisseur.

Le samedi 18 juin	0930 – 1700
Le dimanche 19 juin	0930 – 1830
Le lundi 20 juin	0930 – 1330

CONTINUING PROFESSIONAL DEVELOPMENT

Target Audience

This educational activity is intended for comprehensive and sub-specialist ophthalmologists, basic scientists, residents and fellows in ophthalmology training programs, ophthalmic nurses, ophthalmic assistants, ophthalmic technicians and orthoptists.

Learning Objectives

By participating in this year's meeting, attendees will:

- Integrate into their practice, knowledge and skills gained from the sharing of Canadian and international research and scientific studies
- Discuss recent advances in the diagnosis and treatment of eye diseases
- Compare and contrast core concepts, new advances and clinical experiences by networking with colleagues and internationally renowned guest speakers
- Appraise new and innovative technology and discuss developments in treatment and medical devices with industry representatives in the exhibition hall

CPD Credits – Maintenance of Certification (MOC) Program

Section 1 – Group Learning

The 2016 COS Annual Meeting is an accredited group learning activity under Section 1 of the MOC Program as defined by the Royal College of Physician and Surgeons of Canada (RCPSC) and has been approved by the Canadian Ophthalmological Society. Participants may claim up to 30.5 credit hours.

Through an agreement between the American Medical Association (AMA) and the RCPSC, the 2016 COS Annual Meeting, as a live educational activity, qualifies for AMA PRA category 1 credits.

Section 2 – Self-Assessment

Poster viewing: Learning from poster presentations may be claimed as a Scanning Activity under Section 2, as defined by the RCPSC. You may claim 0.5 credits per poster with a documented learning outcome in MAINPORT.

Section 3 – Simulation

The Skills Transfer Courses are Accredited Simulation Activities (Section 3) as defined by the MOC Program of The Royal College of Physicians & Surgeons of Canada, and approved by the Canadian Ophthalmological Society.

CPD Evaluation

Evaluation is a required component of the RCPSC's MOC program. You will be asked to complete an evaluation of each session you attended in order to claim your CPD credits.

You can claim your CPD credits online. It's simple and easy to use. Evaluation stations are available onsite at the Shaw Centre or online at **www.cos2016.ca**.

How?

- Step 1. Log in with the email address used during registration (if unknown, contact education@cos-sco.ca)
- Step 2. Evaluate and claim credits for the sessions attended
- Step 3. After evaluating all of the attended sessions, download, print or email a copy of your certificate of attendance
- Step 4. The evaluation site will close on July 25. After July 31, login to Mainport to claim your credits

Paper evaluations and credit forms are available upon request at the registration desk.

Auditoires cibles

Cette activité de formation s'adresse aux ophtalmologistes généralistes et spécialistes, aux spécialistes des sciences fondamentales, aux résidents et chercheurs en ophtalmologie, aux infirmières, aux assistants en ophtalmologie, aux techniciens en ophtalmologie et aux orthoptistes.

Objectifs d'apprentissage

Le congrès de cette année permettra aux participants de :

- Intégrer à leur pratique des connaissances et des compétences acquises par le partage de recherches et d'études scientifiques canadiennes et internationaux
- Discuter des avances récentes au niveau du diagnostic et du traitement des maladies de l'œil
- Comparer et contraster des concepts de base, de nouvelles avances et des expériences cliniques en établissant des réseaux avec des collègues et des conférenciers de renommée internationale
- Évaluer des technologies nouvelles et novatrices, et discuter des avances en matière de traitement et de dispositifs médicaux en compagnie de représentants de l'industrie dans le salon d'exposition

Crédits de DPC du programme Maintien du certificat (MDC)

Crédits de la Section 1

Le congrès annuel 2016 de la SCO constitue une activité d'apprentissage collectif agréée conformément à la définition précisée dans le programme de Maintien du certificat (MDC) du Collège royal des médecins et chirurgiens du Canada (CRMCC) approuvé par la Société canadienne d'ophtalmologie. Les participants peuvent cumuler des crédits par heure de participation au congrès, jusqu'à concurrence de 30,5 crédits.

Conformément à une entente entre l'Association médicale américaine (AMA) et le CRMCC, les médecins qui assisteront au congrès annuel de la SCO 2015 pourront accumuler des crédits PRA de catégorie 1 de l'AMA puisqu'il s'agit d'une activité éducative interactive.

Crédits de la Section 2

Exposition des affiches : Le temps passé à l'étude d'affiches peut être inscrit à titre d'activité d'analyse à la section 2, comme le stipule le CRMCC. Les participants peuvent cumuler 0,5 crédit par affiche s'ils ont consigné les conclusions tirées dans le site MAINPORT.

Crédits de la Section 3

Les cours de transfert de compétences sont des activités de simulation agréées (section 3) conformément aux critères du programme de MDC du CRMCC, et approuvée par la SCO.

Évaluation du DPC

L'évaluation est un élément nécessaire du programme de MDC du CRMCC. Vous aurez à remplir une évaluation de chaque séance à laquelle vous participez pour pouvoir cumuler des crédits de DPC.

Il faut réclamer vos crédits de DPC en ligne. Vous pouvez le faire à partir des stations d'évaluation dans le Centre Shaw et en ligne à **www.cos2016.ca**.

Comment s'y prendre?

- Étape 1. Branchez-vous en utilisant la même adresse électronique qu'au moment de votre inscription (si vous ne vous en rappelez plus, écrivez à education@cos-sco.ca)
- Étape 2. Évaluez la séance à laquelle vous avez assisté pour avoir droit à des crédits
- Étape 3. Une fois que vous avez évalué toutes les séances auxquelles vous avez assisté, téléchargez, imprimez ou envoyez par courriel votre certificat de présence
- Étape 4. L'évaluation ferme le 25 juillet. Après le 31 juillet ouvrez une séance dans Mainport pour réclamer vos crédits

Vous pouvez obtenir un formulaire d'évaluation et de réclamation de crédits sur papier en vous adressant au bureau d'inscription.

CANMEDS AT THE COS ANNUAL MEETING

CANMEDS AU CONGRÈS ANNUEL DE LA SCO

New this year! | Nouveau en 2016!

CanMEDS is a physician competency framework aimed at improving patient care by enhancing physician training. Since implementation in the 1990's, CanMEDS continues to define the necessary competencies for all areas of medical practice and provides a comprehensive foundation for medical education. CanMEDS has become the most widely accepted and applied physician competency framework in the world. It reflects the work of hundreds of Royal College Fellows and volunteers and is based on empirical research, sound education principles and broad stakeholder consultation.

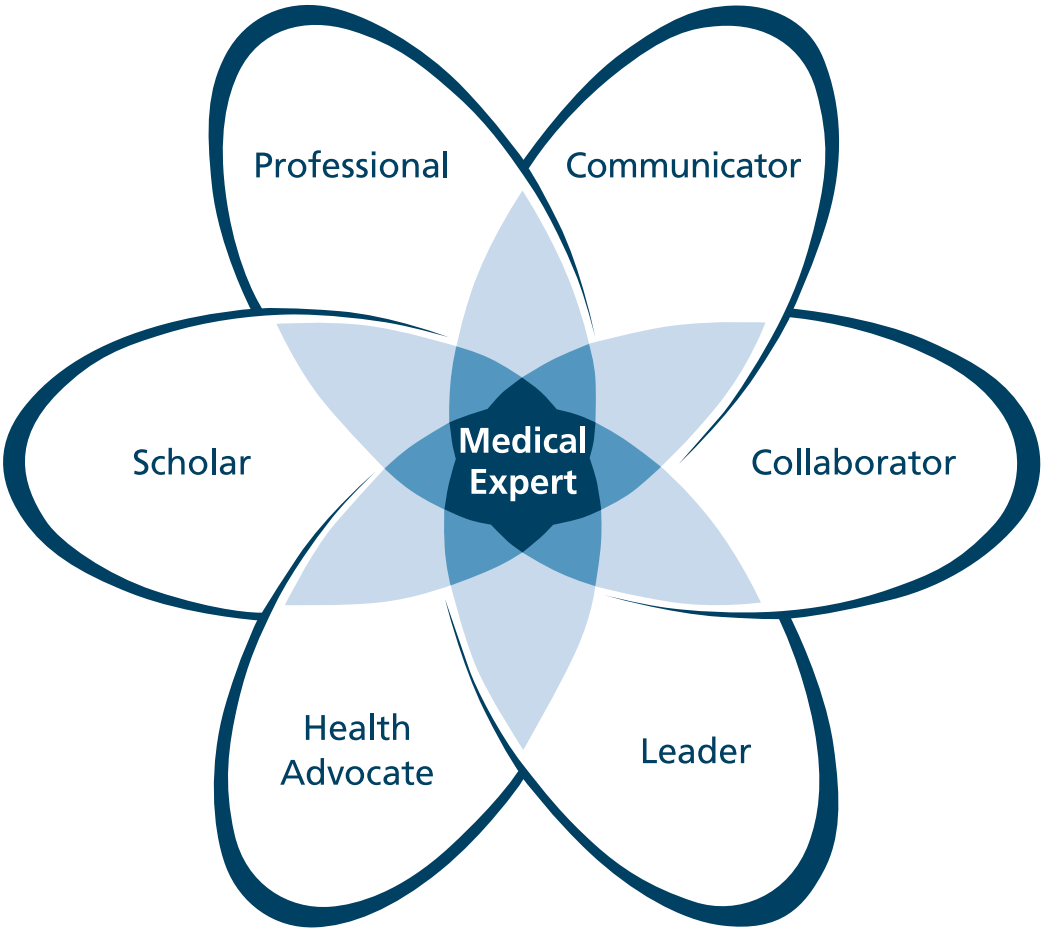
CanMEDS identifies and describes seven roles that lead to optimal physician performance, care delivery and health care outcomes. These roles include: Medical Expert (central role), Communicator, Collaborator, Leader, Health Advocate, Scholar and Professional.

The 2016 COS Annual Meeting program now highlights the CanMEDS Roles applicable to each session, allowing delegates to better understand the focus of each session and target their education to their practice needs. Look for the diagram of the CanMEDs flower next to the session title.

CanMEDS est un cadre de compétences qui vise à améliorer la formation des médecins et, par le fait même, les soins prodigués aux patients. Depuis son adoption en 1990, CanMEDS définit les compétences nécessaires dans tous les domaines de la pratique médicale et établit des fondements généraux pour l'éducation médicale. CanMEDS est devenu le référentiel de compétences des médecins le plus largement reconnu et adopté dans le monde. Il reflète le travail de centaines d'Associés et de bénévoles du Collège royal et il s'appuie sur des recherches empiriques, de solides principes d'éducation et de vastes consultations auprès d'intervenants.

CanMEDS décrit les sept rôles qui mènent à un rendement, à une prestation des soins et à des résultats pour la santé optimaux : expert médical (rôle central), communicateur, collaborateur, leader, promoteur de la santé, érudit et professionnel.

Dans le programme du congrès annuel 2016 de la SCO, les rôles de CanMEDS qui s'appliquent à chaque séance sont mis en évidence, ce qui permet aux participants de mieux comprendre le but de chaque séance et de cibler leur apprentissage sur les besoins de leur exercice. Le motif CanMEDS figurera à côté du titre de chaque séance.



CanMEDS

COS obtained permission from the Royal College for use of the CanMeds framework. For more information on CanMEDS, please contact the Royal College. | La SCO a obtenu la permission du Collège royal d'utiliser le référentiel CanMEDS. Pour plus de détails sur CanMEDS, veuillez communiquer avec le Collège royal.

PLANNING COMMITTEE
COMITÉ DE PLANIFICATION

Chair, Annual Meeting Planning Committee | Présidente, Comité de planification du congrès annuel • *Yvonne M. Buys, MD*

Canadian Association of Pediatric Ophthalmology and Strabismus | Association canadienne des ophtalmologistes pédiatriques et strabisme • *Jane Gardiner, MD*

Canadian Cornea, External Disease & Refractive Surgery Society | Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive • *Kashif Baig, MD*

Canadian Glaucoma Society | Société canadienne du glaucome • *Lesya Shuba, MD; Bryce Ford, MD*

Canadian Neuro-ophthalmology Society | Société canadienne de la neuro-ophtalmologie • *Amadeo Rodriguez, MD*

Canadian Ophthalmic Pathology Society | Société canadienne de la pathologie oculaire • *Valerie White, MD*

Canadian Retina Society | Société canadienne de la rétine • *James Whelan, MD; Bernard Hurley, MD*

Canadian Society for International and Public Health Ophthalmology | Société canadienne de l'ophtalmologie internationale et de la santé publique • *Ralf R. Buhrmann, MD; Simon Holland, MD*

Canadian Society of Oculoplastic Surgeons | Société canadienne de chirurgie oculoplastique • *Larry H. Allen, MD*

Canadian Uveitis Society | Société canadienne de l'uvéite • *Jean Deschênes, MD*

Cataract Surgery | Chirurgie de la cataracte • *Jit Gohill, MD; Devesh Varma, MD*

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Canadian Ocular Regenerative Medicine Society | Société canadienne de médecine oculaire régénérative • *Allan Slomovic, MD*

Vision Rehabilitation | Réadaptation visuelle • *Samuel N. Markowitz, MD*

Skills Transfer Courses | Cours de transfert des compétences • *Delan Jinapriya, MD*

Awards/Posters | Prix/Présentations sur affiche • *G. Robert LaRoche, MD*

Allied Health | Sociétés connexes de la santé

Canadian Society of Ophthalmic Medical Personnel (CSOMP) | La société canadienne du personnel médical en ophtalmologie (SCPMO) • *Craig Simms, COMT, CDOS, ROUB, COP*

The Canadian Orthoptic Society (TCOS) | Société canadienne d'orthoptique (LSCO) • *Sarah Whitecross OC(C), Jeffrey Locke OC(C), COMT*

Canadian Society of Ophthalmic Registered Nurses (CSORN) | Société canadienne des infirmières et infirmiers en ophtalmologie (SCIIO) • *Rosemary Bickerton, BSc.N, RN, Janet Powers, RN*

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Cheryl Ripley, Manager, Continuing Professionnal Development • Gestionnaire, Développement professionnel continu

Rosalind O'Connell, Manager, Communications and Public Affairs • Gestionnaire, Communications et affaires publiques

Rita Afeltra, Manager, Membership & Meeting Logistics • Gestionnaire, Adhésions et organisation des réunions

Maxine Colvey, Coordinator, Continuing Professional Development • Coordonnatrice, Développement professionnel continu

Nicole Suthers, Coordinator, Meeting Logistics & Exhibits • Coordonnatrice, Organisation des réunions & d'exposition

Jeffrey Pierce, Coordinator, Communications and Public Affairs • Coordinateur, Communications et affaires publiques

Gail Faddies, Coordinator, Governance • Coordonnatrice à la gouvernance

Joyce Davis, Bookeeper/Accountant • Comptable

The COS is on Twitter! Follow us for live meeting updates.
La SCO est sur Twitter! Suivez-nous pour des mises à jour du congrès.

@CanEyeMDs

PRESIDENT'S MESSAGE

Dear Colleague,

It is with great pleasure that I welcome you to Ottawa, Canada's Capital, for the Canadian Ophthalmological Society's 79th Annual Meeting and Exhibition.

The COS Annual Meeting and Exhibition is the largest gathering of eye physicians and surgeons and allied health professionals in Canada. This event brings together the individuals who work tirelessly across the spectrum of vision health - from research to patient care - and stimulates interaction within the ophthalmological community. It is a forum to showcase the best research and to promote learning through plenary sessions, poster presentations, surgical skills transfer courses and interactive workshops. We are delighted to see that this meeting has evolved into a major scientific event that truly reflects our Canadian culture of collegiality, collaboration and mutual respect.

The Planning Committee, chaired by Dr. Yvonne Buys, has once again developed an outstanding scientific program featuring eighteen internationally renowned guest speakers. I would also like to acknowledge the outstanding work done by our Executive Director and CEO of the Canadian Ophthalmological Society, Jennifer Brunet-Colvey, and the very dedicated and competent members of the COS program and administrative staff: Cheryl Ripley, Rosalind O'Connell, Rita Afeltra, Nicole Suthers, Maxine Colvey, Gail Faddies, Jeffrey Pierce and Joyce Davis, all of whom have worked tirelessly to help organize an outstanding scientific and social program.

Some exciting things to look forward to include:

- The Welcome Reception on Friday, June 17th from 1800 – 1930 at the Shaw Centre where you will have the opportunity to look out over the buildings of Parliament while renewing ties with old friends and colleagues. The COS Uninsured Services report will be distributed at this event and you will want to be among the first to receive a copy. The field of ophthalmology is known and well respected for its innovation. The valuation of uninsured services will be an excellent tool and a resource to our members.
- The Lifetime Achievement Award ceremony on Saturday, June 18th during Current Concepts. This year's recipient is Dr. John Richards whose contributions have had a significant and lasting impact on ophthalmology, both nationally and internationally.
- For COS members, please plan to attend the COS Annual General Meeting on Saturday, June 18th from 1215 – 1330 at the Westin. Lunch will be provided.
- A fun Networking event in the Exhibit Hall on Sunday, June 19th from 1715 – 1815.
- As usual, there will be an extensive display of state-of-the-art ophthalmic equipment by more than 42 industry partners. COS is very grateful for the generous contributions from our industry partners and for their continued commitment to the Canadian ophthalmological community.

We would also like to acknowledge the very generous support from the Eye Physicians and Surgeons of Ontario (EPSO) towards this meeting. Your strong support is truly appreciated.

I would like to wish you a wonderful conference.

Allan Slomovic, MSc MD FRCSC
President, COS and Chair, COS Board of Directors

MESSAGE DU PRÉSIDENT

Chers collègues,

C'est avec grand plaisir que je vous souhaite la bienvenue à Ottawa, capitale du Canada, à l'occasion du 79e congrès annuel et de l'exposition de la Société canadienne d'ophtalmologie.

L'exposition et le congrès annuel de la SCO constituent le plus grand rassemblement de médecins et chirurgiens ophtalmologistes et de professionnels paramédicaux au Canada. Cet événement rassemble les personnes qui travaillent sans relâche dans le vaste domaine de la santé oculaire - tant en recherche qu'en soins des patients - et favorise les échanges au sein de la communauté ophtalmologique. C'est une plate-forme idéale pour mettre en vedette les meilleurs projets de recherche et promouvoir la formation par des séances plénières, des présentations sur affiches, des cours de transfert de compétences et des ateliers interactifs. Nous sommes ravis de constater que ce congrès est devenu un grand événement scientifique véritablement à l'image de la culture canadienne de collégialité, de collaboration et de respect mutuel.

Le comité de planification, présidé par la Dre Yvonne Buys, nous a encore une fois préparé un programme scientifique exceptionnel comptant 18 conférenciers de renommée internationale. J'aimerais aussi souligner le travail exceptionnel de la chef de direction de la SCO, Jennifer Brunet-Colvey, ainsi que des membres dévoués et compétents du personnel et du programme de la SCO : Cheryl Ripley, Rosalind O'Connell, Rita Afeltra, Nicole Suthers, Maxine Colvey, Gail Faddies, Jeffrey Pierce et Joyce Davis, qui ont toutes travaillé très fort à l'organisation d'un programme scientifique et social exceptionnel.

Voici quelques-uns des grands moments à ne pas manquer :

- La réception d'accueil du vendredi 17 juin, de 18 h à 19 h 30, au Centre Shaw, où vous pourrez admirer les édifices du Parlement tout en refaisant contact avec vos amis et collègues. Le rapport de la SCO sur les services non assurés sera distribué à cette occasion : soyez les premiers à le consulter! Le domaine de l'ophtalmologie est reconnu et respecté pour son innovation. Ce rapport sur la valeur des services non assurés sera un excellent outil et une ressource utile pour nos membres.
- La cérémonie de remise de la Reconnaissance pour l'ensemble d'une carrière du samedi 18 juin, dans le cadre d'une séance de Notions courantes. Le lauréat de cette année est le Dr John Richards, dont la contribution exceptionnelle et durable en ophtalmologie a marqué sur la scène nationale et internationale.
- Pour les membres de la SCO, notez à votre agenda l'assemblée générale annuelle du samedi 18 juin de 12 h 15 à 13 h 30 au Westin. Le repas du midi sera fourni.
- Une activité de réseautage amusante dans le salon des exposants aura lieu le dimanche 19 juin de 17 h 15 à 18 h 15.
- Comme toujours, plus de 42 partenaires de l'industrie vous y présenteront du matériel ophtalmologique à la fine pointe. La SCO est très reconnaissante à ses partenaires de l'industrie de leur généreuse contribution et de leur engagement continu envers la communauté ophtalmologique canadienne.

Nous tenons également à souligner le soutien très généreux de l'organisme Eye Physicians and Surgeons of Ontario (EPSO) envers ce congrès. Nous vous remercions grandement de ce précieux appui.

Je vous souhaite à tous et à toutes un merveilleux congrès.

Allan Slomovic, MSc, MD, FRCSC
Président de la SCO et président du conseil d'administration de la SCO

MESSAGE FROM THE MEETING CHAIR

On behalf of the 2016 Annual Meeting Planning Committee, welcome to the 79th Annual Meeting of the Canadian Ophthalmological Society. Our Annual Meeting is a unique opportunity to come together and connect with colleagues from across the country, and is a premier venue for knowledge transfer in our field. This year's educational program is centred on 'Emergent and Emerging Care' and will present new perspectives in ophthalmology including cutting edge surgical innovations, state-of-the-art advances in ophthalmic diagnostics and evidence-based updates. To complement our lectures we have a full roster of Surgical Skills Transfer Courses to provide hands-on surgical technique training; including a new course in Strabismus and another in Oculoplastics for the comprehensive ophthalmologist. Our workshops on Monday will review retina macular OCT, as well as imaging in glaucoma.

We are joined here in Ottawa by 18 international guest speakers and are proud to present two named lectureships:

- Dr. Thomas Harbin will deliver the COS Lecture entitled "Ethical Lessons from Waking up Blind" (p. 51)
- Dr. Jay Duker will deliver the Canadian Journal of Ophthalmology Lecture entitled "Pathogenesis and Classification of Disease of the Vitreomacular Interface" (p. 69)

Please be sure to visit our Exhibit Hall where our exhibitors will be displaying the latest in eye care technologies and innovations.

I want to convey my sincere gratitude to all of our invited speakers, the Annual Meeting Planning Committee, panelists, and moderators for making this exciting program possible. I also would like to thank the COS staff, who have worked tirelessly over the past year to develop this program and bring it to fruition.

Your feedback is vital to the ongoing success of our Annual Meetings and I invite you to share any input you have. I hope that the next few days provide the perfect balance of learning and fun in our nation's capital.

Yvonne M. Buys, MD
Chair, Annual Meeting Planning Committee

MESSAGE DE LA PRÉSIDENTE DU CONGRÈS

Au nom du comité de planification du congrès annuel 2016, je vous souhaite la bienvenue au 79e congrès de la Société canadienne d'ophtalmologie. Notre congrès annuel est une occasion unique de se réunir et de tisser des liens avec des collègues de partout au pays, et un lieu particulièrement propice au transfert de connaissances dans notre domaine. Le programme éducatif de cette année s'articule autour du thème « Soins urgents et thérapies innovantes ». Il offrira un nouveau point de vue sur l'ophtalmologie et présentera des innovations en chirurgie, les récentes avancées sur le plan du diagnostic et les dernières données probantes. Outre nos conférences, nous vous proposons un bel éventail de cours de transfert de compétences qui vous offrent une formation chirurgicale pratique, dont un nouveau cours sur le strabisme et un autre sur l'oculoplastie pour l'ophtalmologiste complet. Nos ateliers du lundi porteront sur la TCO rétinienne et sur l'imagerie dans le traitement du glaucome.

Nous accueillerons à Ottawa 18 conférenciers des quatre coins du monde et sommes fiers de présenter d'éminents conférenciers, dont :

- le Dr Thomas Harbin, qui prononcera la conférence de la SCO intitulée « Ethical Lessons from Waking up Blind » (p. 51);
- le Dr Jay Duker, qui prononcera la conférence du Journal canadien d'ophtalmologie, « Pathogenesis and Classification of Disease of the Vitreomacular Interface » (p. 69).

Ne manquez pas non plus notre salon des exposants, où vous découvrirez les dernières technologies et innovations en soins oculaires.

J'aimerais exprimer ma sincère gratitude à tous nos conférenciers, au comité de planification du congrès annuel, aux panélistes et aux animateurs pour ce programme stimulant. Je tiens également à remercier le personnel de la SCO, qui a travaillé sans relâche au cours de la dernière année à l'élaboration et à la réalisation de ce programme.

Vos commentaires sont essentiels au succès continu de nos congrès annuels, et je vous invite à nous en faire part, quels qu'ils soient. J'espère que les prochains jours vous feront vivre l'équilibre parfait entre apprentissage et plaisir dans la capitale nationale.

Yvonne M. Buys, M.D.
Présidente du comité de planification du congrès annuel

GREETINGS FROM THE MAYOR | SALUTATIONS DU MAIRE

Jim Watson
Mayor/Maire

Office of the Mayor
City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario K1P 1J1
Tel.: 613-580-2496
Fax: 613-580-2509
E-mail: Jim.Watson@ottawa.ca

Bureau du Maire
Ville d'Ottawa
110, avenue Laurier Ouest
Ottawa (Ontario) K1P 1J1
Tél. : 613-580-2496
Téléc. : 613-580-2509
Courriel : Jim.Watson@ottawa.ca

On behalf of Members of Ottawa City Council, it is my distinct pleasure to extend a warm welcome to all those participating in the **79th Annual Meeting** and **Exhibition** of the **Canadian Ophthalmological Society** (**COS**), taking place at the Shaw Centre, in the heart of our nation's capital, from June 17th to 20th 2016.

As Head of Council, I am delighted to offer my moral support to the COS for providing a valuable forum for ophthalmologists, eye care and health professionals, as well as researchers and industry stakeholders to network and share knowledge pertaining to cutting-edge surgical innovations, state-of-the art advances in ophthalmic diagnostics, evidence-based updates and research.

I want also to acknowledge the COS, keynote speakers, and exhibitors, along with the wet labs and workshop facilitators for dedicating efforts, expertise and resources to the successful organization of this educational annual meeting of national scope.

As Mayor of the host city, I invite visitors to explore the Ottawa Sports Hall of Fame and the Barbara Ann Scott Gallery at City Hall, as well as the revitalized Lansdowne Park, its heritage pavilions, and new TD Place, home of the Ottawa REDBLACKS CFL team, and Ottawa Fury FC North American Soccer League team.

Allow me to convey my best wishes to the participants for a very productive and rewarding gathering, as well as to the visitors for a most enjoyable stay in Ottawa.

Sincerely,

Au nom des membres du Conseil municipal d'Ottawa, j'ai le grand plaisir de souhaiter la plus cordiale bienvenue à toutes les personnes qui participent au **79e congrès annuel** et à l'**exposition** organisés par la **Société canadienne d'ophtalmologie (SCO)**, qui ont lieu au Centre Shaw, situé au cœur de notre capitale nationale, du 17 au 20 juin 2016.

En tant que chef du Conseil, je suis enchanté d'offrir un appui moral à la SCO, qui donne aux ophtalmologistes, aux professionnels des soins oculaires et de la santé, ainsi qu'aux chercheurs et aux parties prenantes de l'industrie, une occasion précieuse de réseauter et de partager des connaissances relatives à des innovations chirurgicales de pointe, aux progrès les plus récents en matière de diagnostics ophtalmologiques, à des mises à jour factuelles et à la recherche.

Je tiens également à remercier la SCO, les conférenciers principaux et les exposants, ainsi que les animateurs des laboratoires humides et des ateliers, de consacrer leurs efforts, leur expertise et leurs ressources à l'organisation réussie de cette rencontre éducative annuelle d'envergure nationale.

En tant que maire de la ville hôte, j'invite les visiteurs à explorer le Temple de la renommée des sports d'Ottawa et la Galerie Barbara-Ann-Scott, tous deux situés à l'hôtel de ville, ainsi que le parc Lansdowne, qui a récemment fait peau neuve, ses édifices patrimoniaux, de même que la nouvelle Place TD, domicile du ROUGE et NOIR d'Ottawa, équipe de la Ligue canadienne de football, et du Fury FC d'Ottawa, équipe de la Ligue nord-américaine de soccer.

Je souhaite aux participants une réunion très productive et enrichissante, et aux visiteurs, un séjour des plus agréables à Ottawa.

Meilleures salutations.

Jim Watson, Mayor/Maire

Ottawa2017.ca

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

COS Guest Lecturer | Conférencier invité de la SCO

Thomas S. Harbin, Jr, MD, MBA
Eye Consultants of Atlanta
Atlanta GA

Cataract | Cataracte

Lisa Brothers Arbisser, MD
Eye Surgeons Associates
Bettendorf IA

Michael E. Snyder, MD
Cincinnati Eye Institute
Cincinnati OH

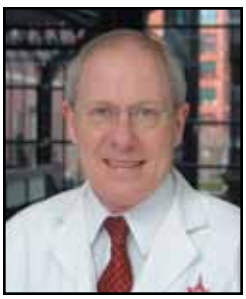
Cornea | Cornée

Rajesh Fogla MD, FRCS
Apollo Hospitals, Hyderabad
Jubilee Hills, Hyderabad, India

Enrique O. Graue-Hernández, MD
Instituto de Oftalmología Fundación Conde de Valenciana
Mexico City, Mexico

Glaucoma | Glaucome

Ivan Goldberg, AM, MB, BS (Syd), FRANZCO, FRACS
Sydney Eye Hospital
Sydney, Australia



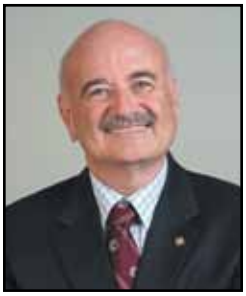
Harry A. Quigley, MD
Glaucoma Center of Excellence, John Hopkins Medicine
Baltimore MD

International and Public Health Ophthalmology | Ophtalmologie internationale et santé publique

David S. Friedman, MD, MPH, PhD
Wilmer Eye Institute,
Johns Hopkins Medicine
Baltimore MD

Bill Nortje, MD
Hillcrest Private Hospital
Durban, South Africa

Neuro-ophthalmology | Neuro-ophtalmologie



Alfredo A. Sadun, MD, PhD
Doheny Eye Centers, University of California, Los Angeles
Pasadena CA

Ocular Regenerative Medicine | Médecine oculaire régénérative

Virender S. Sangwan, MS
L V Prasad Eye Institute,
Banjara Hills, Hyderabad, India

Oculoplastics | Oculoplastie

Claudio DeLorenzi, MD, FRCS(C)
The DeLorenzi Clinic
Kitchener-Waterloo ON

Pathology | Pathologie

Steffen Heegaard, MD
University of Copenhagen
Copenhagen, Denmark

Pediatrics | Pédiatrie

Sean P. Donahue, MD, PhD
Vanderbilt University Medical Center
Nashville TN

Retina | Rétine

Jay S. Duker, MD
Tufts Medical Center
Boston MA
**CJO Lecturer*

Carl D. Regillo, MD, FACS
Thomas Jefferson University
Philadelphia PA

Uveitis | Uvéite

Lourdes Arellanes, MD
Asociación Para Evitar la
Ceguera en México, I.A.P.
Ciudad de México, Mexico

Vision Rehabilitation | Réadaptation visuelle

Filippo M. Amore MD, PhD
National Centre of Services and Research
for the Prevention of Blindness and
Rehabilitation of the Visually Impaired
Rome, Italy

LIFETIME ACHIEVEMENT AWARD

DR. JOHN SIMON FRASER RICHARDS, MD, FRCSC
2016 LIFETIME ACHIEVEMENT AWARD (LAA)

For over four decades, Dr. John Simon Fraser Richards has been a steadfast, passionate, and ground-breaking member of the ophthalmological field. Known for bringing his creativity, ingenuity, and decades of international experience to bear when developing new procedures to deal with major clinical issues, Dr. Richards remains a passionate advocate for improving the field of ophthalmology in Canada and around the world.

Born in December 1934, shortly after his father died, Dr. Richards became captivated with medicine from a young age. Graduating with a medical degree from the University of British Columbia in 1960, Dr. Richards continued his training at the Montréal General Hospital and the Institute of Ophthalmology in London, England. After attaining his residency at the UBC Dept. of Ophthalmology, Dr. Richards went on to study corneal disorders at the leading institutions of the day – Queen Victoria Hospital in East Grinstead, UK with Sir Benjamin Rycroft; the Royal College of Surgeons in the United Kingdom; and studied for a Corneal Fellowship with Dr. Claes Dohlman at Harvard University the Massachusetts Eye and Ear Infirmary in Boston, Massachusetts.

He returned to Vancouver where he joined the full-time faculty at the University of British Columbia – first as an Assistant Professor, then Associate Professor. He is currently is a Professor Emeritus.

Dr. Richards' career in Vancouver began in 1972, where he was instrumental in developing the UBC Corneal Division, of which he was Head for 30 years. Throughout his appointment at the University of British Columbia, Dr. Richards has been the Head of Dept. of Ophthalmology at Shaughnessy Hospital; Head of Dept. of Ophthalmology at UBC Hospital; Head of Cornea & External Disease Division at the University of British Columbia; Acting Head, Ophthalmology Dept. at University of British Columbia; and Medical Director of the Eye Bank of British Columbia.

Dr. Richards has also taken on leadership roles locally, nationally, and internationally. He was President of the Canadian Ophthalmological Society as well as the British Columbia Society of Eye Physicians and Surgeons. Dr. Richards has been on the Executive Board and a member of the Royal College of Surgeons of Canada Examination Committee; the BC College of Physicians and Surgeons Surgical Accreditation Committee; a board member of the CNIB; and the E.A. Baker Secretariat.

Dr. Richards has regularly been published throughout his career, and has frequently been invited as a visiting lecturer at local, national, and international scientific meetings.

Dr. Richards currently practices and teaches at the Eye Care Centre, University of British Columbia, and consults for Work Safe BC.

Dr. Richards' four decades of service is more than deserving of a COS Lifetime Achievement Award.

Colleagues from across the country can attest to his commitment to excellence, his unique perspectives, his professionalism, and his notable sense of fun.

RECONNAISSANCE POUR L'ENSEMBLE D'UNE CARRIÈRE

Dr JOHN SIMON FRASER RICHARDS, MD, FRCSC RECONNAISSANCE POUR L'ENSEMBLE D'UNE CARRIÈRE 2016

Depuis plus de 40 ans, le Dr John Simon Fraser Richards est un membre fiable, passionné et pionnier de la communauté ophtalmologique. Reconnu pour sa créativité, son ingéniosité et ses nombreuses années d'expérience internationale, qu'il met au service de la conception de nouvelles méthodes pour solutionner des problèmes cliniques d'envergure, le Dr Richards demeure un ardent défenseur de l'amélioration des soins ophtalmologiques au Canada et dans le monde.

Né en décembre 1934, peu après le décès de son père, le Dr Richards a développé un vif intérêt pour la médecine à un jeune âge. Ayant obtenu son diplôme en médecine de l'Université de la Colombie-Britannique (UBC) en 1960, le Dr Richards a poursuivi sa formation à l'Hôpital général de Montréal et à l'Institut d'ophtalmologie à Londres. Après sa résidence au Département d'ophtalmologie de l'UBC, il a poursuivi ses études sur les maladies de la cornée dans les plus grands établissements de l'époque : l'Hôpital Queen Victoria à East Grinstead, au Royaume-Uni, auprès de sir Benjamin Rycroft, et le Royal College of Surgeons au Royaume-Uni. Il a de plus étudié pour l'obtention d'une bourse (Corneal Fellowship) auprès du Dr Claes Dohlman à Harvard, au Massachusetts Eye and Ear Infirmary à Boston.

Il est ensuite retourné à Vancouver, où il s'est joint au corps professoral régulier de l'UBC, d'abord à titre de professeur adjoint, puis d'agrégé. Il est maintenant professeur émérite dans cet établissement.

La carrière du Dr Richards à Vancouver a commencé en 1972, où il a participé à l'essor de la Division des maladies de la cornée, qu'il a dirigée pendant 30 ans. Pendant sa carrière de professeur à l'UBC, le Dr Richards a été chef du Département d'ophtalmologie de l'Hôpital Shaughnessy; chef du Département d'ophtalmologie de l'hôpital de l'UBC; directeur de la Division des maladies cornéennes et externes de l'UBC; directeur par intérim du Département d'ophtalmologie de l'UBC; et directeur médical de la banque d'yeux de la Colombie-Britannique.

Le Dr Richards a aussi exercé son leadership sur la scène locale, nationale et internationale. Il a été président de la Société canadienne d'ophtalmologie et de la Société des médecins et chirurgiens ophtalmologistes de Colombie-Britannique. Il a siégé au bureau du Collège royal des médecins et chirurgiens du Canada et a été membre de son comité d'examen; il a été membre du comité d'agrément en chirurgie du Collège des médecins et chirurgiens ophtalmologistes de Colombie-Britannique; il a de plus été membre du conseil d'administration de l'INCA et membre du E.A. Baker Secretariat.

Le Dr Richards a publié de nombreux articles pendant toute sa carrière et il a souvent été invité comme conférencier dans des congrès scientifiques locaux, nationaux et internationaux.

En ce moment, le Dr Richards exerce sa profession et enseigne au Eye Care Centre (UBC) et il est consultant pour Work Safe BC.

Fort de ces quatre décennies de loyaux services, le Dr Richards mérite plus qu'amplement la Reconnaissance pour l'ensemble d'une carrière de la SCO.

Ses collègues de tout le pays pourront témoigner de son engagement envers l'excellence, de ses points de vue uniques et de son remarquable sens du plaisir.

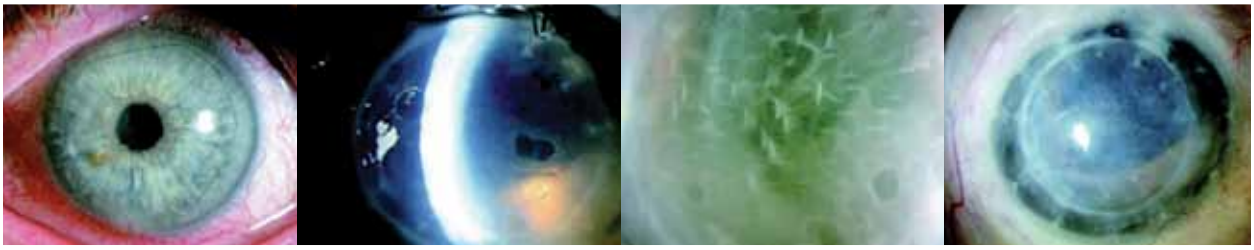
50

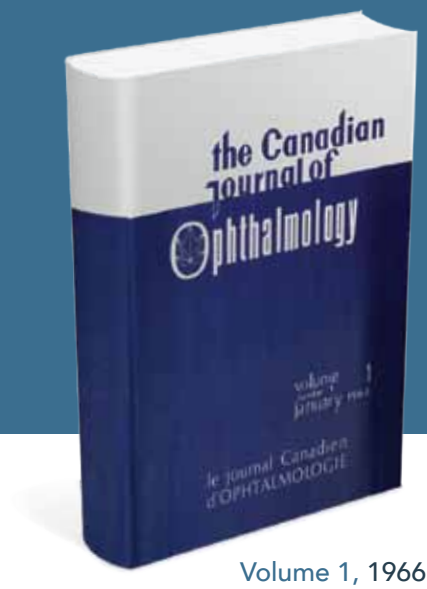
Canadian Journal of Ophthalmology

CJO·JCO

Journal canadien d'ophtalmologie

1966–2016





Volume 1, 1966

The Canadian Journal of Ophthalmology celebrates 50 years of publication!

Le Journal canadien d'ophtalmologie célèbre ses 50 ans!

ELSEVIER

Canadian Ophthalmological Society
Eye Physicians and Surgeons of Canada

Société canadienne d'ophtalmologie
Médecins et chirurgiens ophtalmologistes du Canada

COS AWARDS OF EXCELLENCE
PRIX D'EXCELLENCE DE LA SCO

The Canadian Ophthalmological Society congratulates the recipients of the 2016 COS Awards for Excellence in Ophthalmic Research. These awards recognize residents, fellows and medical students who are conducting original, innovative research at a Canadian university. Thank you to the members of the adjudication committee for the paper awards: Dr. Phil Hooper, Dr. Martin Steinbach and Dr. Setareh Ziai; and the poster awards: Dr. Ali Hafez, Dr. Bernard Hurley, Dr. Cindy Hutnik, Dr. Robert LaRoche, and Dr. Rusty Ritenour for their time and support in selecting the 2016 winners.

La Société canadienne d'ophtalmologie félicite les lauréats des prix d'excellence de la SCO pour la recherche en ophtalmologie 2016. Les prix d'excellence reconnaissent des résidents, fellows ou étudiants en médecine qui font de la recherche originale et innovatrice dans les universités canadiennes. Merci aux membres du comité d'évaluation des candidatures pour les prix d'articles : Les Drs Phil Hooper, Martin Steinbach et Setareh Ziai; et les prix d'affiches : Les Drs Ali Hafez, Bernard Hurley, Cindy Hutnik, Robert LaRoche, and Rusty Ritenour pour leur temps et leur soutien dans le choix des lauréats 2016.

PAPERS | ARTICLES

First prize* | *Premier prix

Mark E. Seamone, Dalhousie University
The Role of VEGF-A in Exogenous Endophthalmitis: A Potential Target for Immunomodulation
Presented during Retina II | Présenté pendant Rétine II (p. 80)

Second prize* | *Deuxième prix

Carl Shen, University of Toronto
Characterization of changes in corneal endothelial cell density in early childhood
Presented during Cornea II | Présenté pendant Cornée II (p. 87)

Third prize* | *Troisième prix

Alice Yang Zhang, McGill University
Choroideremia is a Systemic Disease with Lymphocyte Crystals and Plasma Lipid and RBC Membrane Abnormalities
Presented during Retina II | Présenté pendant Rétine II (p. 80)

POSTERS | AFFICHES

Presented during Current Concepts I | Présenté pendant Notions Courantes I (p. 34)

First prize* | *Premier prix

Parnian Arjmand, University of Ottawa
Flashes and Floaters: A Survey of Canadian Ophthalmology Residents' Practice Patterns

Second prize* | *Deuxième prix

Stephanie L. Cote, University of Calgary
Outcomes of Ahmed Glaucoma Valve Mechanism Removal

Third prize* | *Troisième prix

Yogesh Patodia, Western University
Clinical Effectiveness of Currently Available Low-Vision Devices in Glaucoma Patients with Moderate to Severe Vision Loss

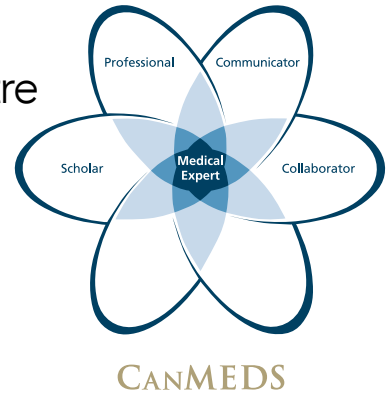
FRIDAY SNAPSHOT | VENDREDI – COUP D'ŒUIL

	Shaw Centre	Shaw Centre	Westin Hotel	Westin Hotel	Westin Hotel
Time	**Room 202**	**Room 204**	**British Columbia Room**	**Quebec Room**	**Les Saisons**
0800 – 1700	Pathology *Pathologie* **(p. 25)**				
1200 – 1700		**1300 – 1700** TCOS Workshop *Atelier LSCO* **(p. 29)**			Symposium for Young Ophthalmologists and Residents *Symposium pour les jeunes ophtalmologistes et résidents* **(p. 27)**
1530 – 1630				Town Hall – Subspecialty Societies: What you need to know to minimize risk *Forum - Sociétés de surspécialités : ce qu'il faut savoir pour réduire les risques* **(p. 30)**	
1700 – 1745			How to Maximize your CPD Credits *Comment maximiser vos crédits de DPC* **(p. 30)**		
1800 – 1930	**Welcome Reception – Uninsured Services Launch** ***Réception d'acceuil – Lancement des services non assurés*** **Shaw Centre, Parliament Foyer** | ***Centre Shaw, Foyer Parliament***				

PATHOLOGY | PATHOLOGIE

0800 – 1700 • Room 202, Shaw Centre

CANADIAN OPHTHALMIC PATHOLOGY SOCIETY
SOCIÉTÉ CANADIENNE DE LA PATHOLOGIE OCULAIRE



LEARNING OBJECTIVES

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

- Describe the principles underlying the histopathological diagnosis of the ocular and adnexal diseases presented
- Discuss pathogenetic concepts, clinical manifestations, laboratory diagnosis and briefly the management of diseases presented
- Integrate the pathological characteristics with the clinical presentation and course of specific ophthalmic diseases

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les principes qui sous-tendent le diagnostic histopathologique des maladies oculaires et annexielles
- Discuter de concepts pathogéniques, de manifestations cliniques, de diagnostic en laboratoire et la prise en charge des maladies présentées
- Intégrer les caractéristiques pathologiques au tableau clinique et à l'évolution de maladies ophtalmiques particulières

CHAIR | PRÉSIDENTE
Valerie White, MD

MODERATOR | ANIMATRICE
Valerie White, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Steffen Heegaard, MD

0805 Introduction • *Valerie White*

GLOBE

0815 Melanoma associated spongiform scleropathy • *Steffen Heegaard*

0830 Complication of vitreous injection • ***Alexander Soon***, *Seymour Brownstein, Steven Gilberg*

0845 Metastatic lesion to the iris • ***Richard Judelson***, *Jeffrey Judelson, Ron Angeles*

0900 Optic nerve head tumour in a teenager • ***Zale Mednick***, *James Farmer, Gary Yau, Vlad Kratky, Yi Ning Strube*

0915 The unusual, rare and insidious nature of posterior uveitis • ***Zaid Mammo***, *Steve Rasmussen, Andrew Kirker, Krista Scott, Brian Skinnider*

0930 Acute retinal necrosis due to viral retinopathy – Report of two cases • ***Amin Kherani***, *Allan Oryschak, R. Geoff Williams, Kevin Warrian, Matt Anderson, Itay Magal*

0945 Necrosis: A forgotten face of retinoblastoma, case reports from 2 centres • ***Sameh Soliman***, ***Salina Teja***, *Katherine Paton, Brenda Gallie, Val White, Lili-Naz Hazrati, Kamiar Mireskandari*

1000 **Coffee**

ORBIT

1015 A slowly growing anterior orbital mass • ***Avi Rubinov***, *Ezekiel Weis, Etienne Mahe*

CONTINUED ON PAGE 26

1030 Orbital desmoid fibromatosis in a 21-month-old child: Case report of a rare tumour • ***Stephanie Low***, *Michel Belliveau, Ahsen Hussain, Rose Chami, Dan DeAngelis*

1045 A lacrimal gland tumour leading to cavernous sinus resection • ***Avi Rubinov***, *Karim Punja, Alim Mitha, Allan Oryschak*

1100 Unusual black deposit on a titanium implant motility peg • ***Harleen Bedi***, *Ahsen Hussain, Simin Laiq, Yeni Yucel, James Oestreicher*

1115 A rare case of orbital granulomatous inflammation from explosive hydraulic oil masquerading as orbital cellulitis • ***Kelsey Roelofs***, *Audrey Chan, Imran Jivraj, Robert West, Steve Rasmussen*

1130 An orbital tumor recurrent after 20 years • ***Salina Teja***, *Peter Dolman, Valerie White*

1145 A rare masquerade of bilateral orbital cellulitis • ***Sarit Khimdas***, *Larry Allen, Jeffrey Cao, Ted Vandenberg, Subrata Chakrabarti*

1200 **Lunch**

1300 High grade malignant spindle cell neoplasm of the orbit • ***Andrew Kulaga***, *Allan Oryschak, Ezekiel Weiss*

1315 Adult with orbital small round blue cell tumour • ***James Farmer***, *Vlad Kratky*

1330 When all your immunostains are negative, there's always the H&E. A rapidly growing orbital mass • ***Steve Rasmussen***, *Peter Dolman, Charles Haw, John Maguire*

1345 Pediatric proptosis • ***Femida Kherani***, *Allan Oryschak, Marie-Anne Brundler*

CORNEA, CONJ

1400 Deep stromal corneal deposits • ***Kailun Jiang***, *Valerie White, Paul Dubord*

1415 Congenital corneal opacity • ***Hind Alkatan***, *Mosa Harby, Huda Dhahry*

1430 Unilateral forniceal papilloma • ***Darrell R. Lewis***, *Godfrey Heathcote, Babak Maleki, Curtis W. Archibald*

1445 **Tea/Coffee**

1500 A case of carcinoma-in-situ of the conjunctiva: The tip of the iceberg • ***Guy Allaire***, *Tuan Quynh Tram Nguyen, Michele Mabon, Laurie Blaquière, Sonia Callejo*

EYELID

1515 When temporal arteritis isn't • ***Janice Safneck***, *Ian Clark*

1530 Thickening of the eyelid • ***Paula Blanco***, *James Farmer*

1545 Chronic recalcitrant swelling in the upper eyelid • ***Ezekiel Weis***, *Avi Rubinov, Andrew Kulaga*

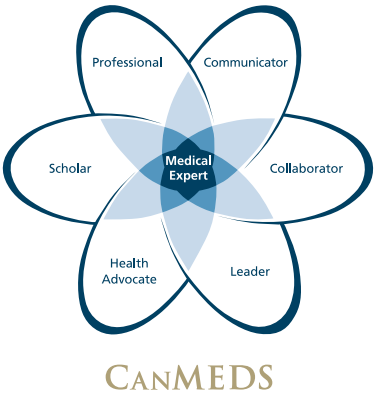
1600 Eyelid tumour • ***Seymour Brownstein***, *Andre Ali-Rhida, Alexander Soon, Solin Saleh, Paula Blanco, Robert Prokopetz, David Jordan, James Farmer*

1615 **Break**

1620 **Business Meeting**

SYMPOSIUM FOR YOUNG OPHTHALMOLOGISTS AND RESIDENTS

SYMPOSIUM POUR LES JEUNES OPHTALMOLOGISTES ET RÉSIDENTS



1200 – 1700 • Les Saisons, Ottawa Westin Hotel

COUNCIL OF CANADIAN OPHTHALMOLOGY RESIDENTS
CONSEIL DES RÉSIDENTS EN OPHTALMOLOGIE AU CANADA

LEARNING OBJECTIVES

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

- Review the process of applying to subspecialty fellowships in ophthalmology, including finding fellowships, application requirements, and when to schedule electives or observerships
- Discuss USMLEs and navigating the visa requirements for Canadians pursuing subspecialty training in the US
- Describe life after ophthalmology residency
- Recognize how ophthalmology jobs are posted, how to research openings, and how to improve their application
- Market themselves, build a name for themselves, and improve their prospects for landing their ideal position
- Describe the meaning of clinician-scientist in 2016
- Review how to become a researcher, including how to establish a research lab, and how to apply for grants/funding
- Discuss how research and clinical work impact one another and the benefits to patients, the physician, and the profession at large

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Passer en revue le processus de demande de bourses de surspécialité en ophtalmologie, y compris la recherche de bourses, les critères d'admission et le moment opportun pour choisir des cours au choix ou un stage d'observation
- Discuter de l'examen américain USMLE (United States Medical Licensing Examination) et des exigences relatives au visa pour les Canadiens qui font une surspécialité aux États-Unis
- Décrire la vie après la résidence en ophtalmologie
- Savoir où les emplois en ophtalmologie sont affichés, comment chercher des emplois et comment améliorer leur demande d'emploi
- Se faire valoir, bâtir leur réputation et améliorer leur potentiel de décrocher le poste idéal

CONTINUED ON PAGE 28

- Décrire ce que signifie « clinicien-chercheur » en 2016
- Savoir comment devenir chercheur, notamment comment établir un laboratoire de recherche et comment demander des subventions ou du financement
- Discuter des retombées de la recherche sur les travaux cliniques et vice versa, et des avantages pour les patients, le médecin et la profession dans son ensemble

CHAIR | PRÉSIDENT

Amandeep Rai, MD

FACULTY | CORPS PROFESSORAL

Mona Harissi-Dagher, MD
Cindy ML Hutnik, MD, PhD, FRCSC
Kenneth F. Roberts, MD, FRCSC
Joshua C. Teichman, MD, MPH, FRCSC
Devesh K. Varma, BEng, MD, FRCSC
Deepa Yoganathan, MD, FRCSC, DABO

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD
Lourdes Arellanes, MD
Ivan Goldberg, AM, MB, BS (Syd), FRANZCO, FRACS

MODERATOR | ANIMATEUR

Amandeep Rai, MD

1200 **Lunch**

1300 Introductory address • *Mona Harissi-Dagher*

1315 Introduction to session and speakers • *Amandeep Rai*

1325 Interactive and challenging glaucoma cases • *Ivan Goldberg*

1345 International perspective: Being an ophthalmologist in México • *Lourdes Arellanes*

1405 Sacred ground? Pars plana incision for the anterior segment surgeon • *Lisa Brothers Arbisser*

1440 Nuances for safer surgery • *Lisa Brothers Arbisser*

1505 **Break**

1520 Job hunting tips for the newly minted surgeon • *Devesh K. Varma*

1540 Insights from a recent grad: Why you shouldn't panic • *Joshua C. Teichman*

1600 Research and you: Pros and cons • *Cindy ML Hutnik*

1620 Fellowships? Where to start, how to apply • *Deepa Yoganathan*

1640 Open for business? – What to watch out for when making business decisions • *Kenneth F. Roberts*

1700 Adjourn

We've gone mobile!

Download our Event app "COS2016" for FREE from the app store on your mobile device.

Téléchargez l'appli mobile « SCO2016 » à partir du app store sur votre appareil mobile.

WORKSHOP I ATELIER

1300 – 1700 • Room 204, Shaw Centre

THE CANADIAN ORTHOPTIC SOCIETY | SOCIÉTÉ CANADIENNE D'ORTHOPTIQUE

LEARNING OBJECTIVES

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

- Describe how to perform dynamic retinoscopy and the clinical uses of this skill
- List ways that photographs and videos enhance diagnosis and management of strabismus, list ways to improve the quality of images and understand the advantages of using surgeon's point of view video of strabismus surgery for education
- Review the theoretical foundations of perimetry, the rationale for choosing specific perimetry techniques and strategies in various clinical situations
- Discuss the pathophysiology of esotropias with near-distance disparity, the considerations that should be taken into account during their assessment and the treatment options, both surgical and non-surgical

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire comment faire une rétinoscopie dynamique et les utilisations cliniques de cette compétence
- Énumérer les façons dont les photographies et les vidéos améliorent le diagnostic et la gestion du strabisme, énumérer les moyens d'améliorer la qualité des images et comprendre les avantages d'utiliser, à des fins de formation, la vidéo sur le point de vue du chirurgien par rapport à la chirurgie du strabisme
- Revoir les fondements théoriques de la périmétrie, les raisons pour choisir certaines techniques de périmétrie et les stratégies possibles dans diverses situations cliniques
- Discuter de la pathophysiologie de l'ésotropie avec disparité à distance proche, des facteurs à prendre en compte pendant l'évaluation et des options de traitement, chirurgical ou non

FACULTY | CORPS PROFESSORAL

Ian Clark, MA, MB, BChir, FRCSEd(Ophth), FRCSC
Raymond Ko, PGY3 Ophthalmology Resident
Nichole Pereira, OC(C)
Michael Richards, MD, FRCSC, PhD
Shehla Rubab, MD
Teresa Warren, OC(C)
Jocelyn Zurevinsky, OC(C)

1300 Welcome and opening remarks • *Jeff Locke & Liz Armstrong*

1305 Dynamic retinoscopy: It really is dynamic! • *Teresa Warren*

1350 Discussion, Q&A

1400 Take a picture, it will last longer! • *Nichole Pereira, Jocelyn Zurevinsky, Shehla Rubab, Raymond Ko*

1445 Discussion, Q&A

1455 **Break**

1510 Everything you wanted to know about visual field testing • *Michael Richards*

1555 Discussion, Q&A

1605 Assessment and treatment of esotropia with near-distance disparity • *Ian Clark*

1650 Discussion, Q&A

1700 Adjourn

TOWN HALL – SUBSPECIALTY SOCIETIES: What you need to know to minimize risk

FORUM – SOCIÉTÉS DE SURSPÉCIALITÉS : Ce qu'il faut savoir pour réduire les risques

1530 – 1630 • Quebec Room, Ottawa Westin Hotel

This meeting will address concerns on the ill-defined relationships between the COS and the subspecialty societies that could potentially lead to liability for the COS, the subspecialty societies and for the Boards of Directors/leadership of both.

Working together, a number of issues will be discussed including: the legal status of the subspecialty societies (incorporated or unincorporated) and the risks and benefits of such status; the relationship between the COS and the subspecialty societies; and gaining a better understanding of how COS and the subspecialty societies can continue to work together to strengthen the collective voice for ophthalmology in Canada.

Ce forum portera sur les enjeux liés aux rapports plus ou moins définis entre la SCO et les sociétés de surspécialités qui pourraient avoir des conséquences sur l'imputabilité de la SCO, des sociétés et des conseils d'administration des deux parties.

Dans un esprit de travail collectif, la discussion portera sur un certain nombre de questions, notamment le statut juridique des sociétés de surspécialités (incorporées ou non) et les risques et avantages de ce statut; la relation entre la SCO et les sociétés de surspécialités; l'importance de mieux comprendre de quelle façon la SCO et les sociétés peuvent continuer à travailler ensemble pour renforcer la voix collective de l'ophtalmologie au Canada.

HOW TO MAXIMIZE YOUR CPD CREDITS

COMMENT MAXIMISER VOS CRÉDITS DE DPC

New this year! | Nouveau en 2016!

1700 – 1745 • British Columbia Room, Ottawa Westin Hotel

Continuing Professional Development (CPD) Educator and Director of CPD at the Royal College of Physicians and Surgeons of Canada, Dr. Craig Campbell will join our delegation to talk about *How to maximize your CPD credits*. At this session you will learn about the new Maintenance of Certification cycle and how this impacts how you obtain credits. There will be a discussion around what is included in Section 1, 2 and 3 learning opportunities and how you can access each of these Sections at our Annual Meeting. The session will also touch on MAINPORT and claiming your credits after participation in an activity.

Le Dr Craig Campbell, directeur du DPC, Bureau de l'éducation spécialisée du Collège des médecins et chirurgiens du Canada presentera des informations sur le programme de Maintien du certificat. Comment maximiser vos crédits? Cette séance va expliquer le nouveau cycle et la façon de cumuler et de consigner des crédits de DPC dans les trois sections.

FACULTY | CORPS PROFESSORAL

Craig Campbell, MD, FRCPC, Director Continuing Professional Development, Office of Specialty Education at the Royal College of Physicians and Surgeons of Canada

SATURDAY SNAPSHOT | SAMEDI – COUP D'ŒUIL

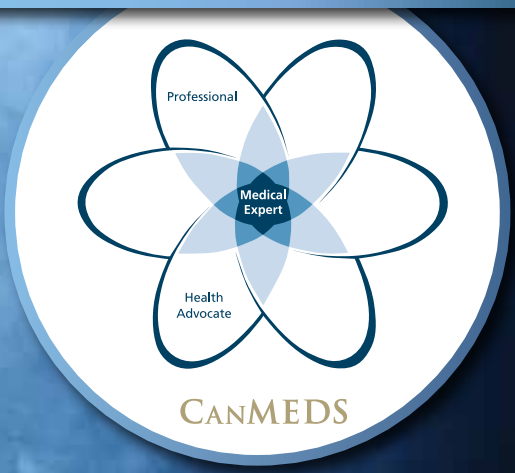
Shaw Centre						
Time	**Canada Hall I**	**Room 206**	**Room 202**	**Room 203**	**Room 204**	**Room 205**
0630 – 0800		Co-developed accredited symposium *Symposium agréé élaboré conjointement* **(p. 32)**				
0700 – 0800	**Breakfast** | ***Petit déjeuner***					
0800 – 1000	Current Concepts I *Notions courantes I* **(p. 34)**				CSORN *SCIIO* **(p. 35)**	
1000 – 1045	**Break in Exhibit Hall** | ***Pause dans la salle d'exposition***					
1045 – 1215	Vision Rehabilitation *Réadaptation visuelle* **(p. 36)**	Glaucoma I *Glaucome I* **(p. 37)**	Pediatrics I *Pédiatrie I* **(p. 38)**	Surgical Teaching Series *Enseignement chirurgical* **(p. 39)**	CSORN *SCIIO* **(p. 35)**	STC: Cornea *CTC : Cornée* **(p. 40)**
1215 – 1330	**COS Annual General Business Meeting** | ***Assemblée générale annuelle de la SCO*** **(Ottawa Westin Hotel)** **Lunch in the Exhibit Hall** | ***Dîner dans la salle d'exposition***					
1330 – 1500	Controversies in Cornea *Controverses autour de la cornée* **(p. 41)**	Glaucoma II *Glaucome II* **(p. 42)**	Pediatrics II *Pédiatrie II* **(p. 43)**	Challenging Cataract Cases *Cas de cataracte complexes* **(p. 44)**	CSORN *SCIIO* **(p. 35)**	STC: Cataract *CTC : Cataracte* **(p. 45)**
1500 – 1545	**Break in Exhibit Hall** | ***Pause dans la salle d'exposition***					
1545 – 1715	Refractive Cornea Surgery *Chirurgie réfractive de la cornée* **(p. 46)**	Glaucoma III *Glaucome III* **(p. 47)**	Pediatrics III *Pédiatrie III* **(p. 48)**	Ocular Regenerative Medicine *Médicine oculaire régénérative* **(p. 49)**	CSORN *SCIIO* **(p. 35)**	STC: Cataract *CTC : Cataracte (Reprise)* **(p. 45)**
1900	**Sub-specialty dinners** | ***Soupers des sociétés affiliées***					

THE Dragons Evaluate

NEW DEVELOPMENTS IN CATARACT SURGERY

LES DRAGONS ÉVALUENT LES NOUVEAUTÉS EN CHIRURGIE DE LA CATARACTE

Where would they invest?
Dans quoi investiraient-ils?



0630 – 0800 • Room 206, Shaw Centre

CO-DEVELOPED ACCREDITED SYMPOSIUM
SYMPOSIUM AGRÉÉ ÉLABORÉ CONJOINTEMENT

SCIENTIFIC PLANNING COMMITTEE | COMITÉ DE PLANIFICATION SCIENTIFIQUE

Ike Ahmed, MD – Chair

Colin Mann, MD – COS representative

LEARNING OBJECTIVES

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

- Assess benefits, challenges and limitations associated with Femtosecond Laser Assisted cataract surgery
- Weigh potential benefits and possible risks of the use of Intracameral Antibiotics for the prevention of endophthalmitis
- Make an informed decision concerning the merits of new IOLs available (or soon-to-be available) in Canada
- Reflect on ethical considerations of providing these three technologies or treatments within the publicly-funded system

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les avantages, les défis et les limites de la chirurgie de la cataracte au laser femtoseconde
- Peser les avantages et les risques potentiels de l'utilisation d'antibiotiques intracaméraux pour prévenir l'endophtalmie
- Prendre des décisions éclairées quant aux avantages des LIO nouvellement commercialisées (ou qui le seront bientôt) au Canada
- Réfléchir aux considérations éthiques d'offrir ces trois technologies ou traitements dans le réseau public

FACULTY | CORPS PROFESSORAL

CATARACT DRAGONS

Iqbal (Ike) Ahmed, MD
Sherif El-Defrawy, MD
Francis Law, MD
Chris Rudnisky, MD, MPH

PRESENTERS

Darren Albert, MD - *Presenting on Additional New Advanced Technology IOLs*

Steve Arshinoff, MD - *Presenting on Intracameral Antibiotics*

Ronan Conlon, MD - *Presenting on Femtosecond Laser Assisted Cataract Surgery*

The Cataract Dragons will assess the merits of each technology or treatment, challenge the presenters and bring their perspectives into the discussion as they determine what is worthy of investment.

The audience will be invited to ask questions and participate in the discussion via polling. Technologies or treatments will be considered from the perspectives of the institution, the surgeon and the patient.

Les Dragons de la cataracte évalueront les avantages de chaque technologie ou traitement, poseront des questions aux présentateurs et ajouteront leur point de vue à la discussion pour finalement déterminer si la nouveauté vaut la peine d'investir.

Le public sera invité à poser des questions et à participer à la discussion en votant. Les technologies ou traitements seront évalués du point de vue de l'établissement, du chirurgien et du patient.

0600 Breakfast is served

0630 Welcome and introductions • *Iqbal Ike Ahmed*

0635 The Cataract Dragons will hear presentations concerning Femtosecond laser assisted cataract surgery, Intracameral (IC) antibiotics in cataract surgery, and the merits of the new and upcoming IOLs in cataract surgery.

0800 Adjourn

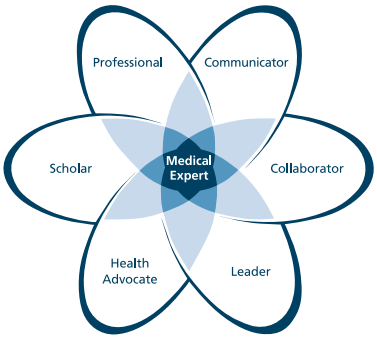
This symposium was co-developed with the Canadian Ophthalmological Society and **Alcon** in order to achieve scientific integrity, objectivity and balance as per the Royal College of Physicians and Surgeon's accreditation guidelines. | Le présent symposium a été élaboré conjointement avec la Société canadienne d'ophtalmologie et **Alcon** de manière à respecter les principes d'intégrité, d'objectivité et d'équilibre scientifiques.

Breakfast will be served. | ***Petit-déjeuner sera servi.***

CURRENT CONCEPTS I

NOTIONS COURANTES I

0800 – 1000 • Canada Hall I, Shaw Centre



CanMEDS

LEARNING OBJECTIVES

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

- Integrate microperimetry into clinical assessments
- Describe emerging role of stem cell transplantation in treatment of ocular diseases
- Apply age specific concepts for pediatric lens prescriptions
- Differentiate types of angle closure

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer la micropérimétrie aux évaluations cliniques
- Décrire le rôle émergent de la transplantation de cellules souches dans le traitement des maladies oculaires
- Appliquer des concepts adaptés à l'âge lorsqu'il faut prescrire des lentilles à des enfants
- Distinguer les types de fermeture d'angle

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Filippo M. Amore, MD, PhD
Sean P. Donahue, MD, PhD
Harry A. Quigley, MD
Virender S. Sangwan, MS

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
Samuel N. Markowitz, MD

0800 President's welcome • *Allan Slomovic, President, Canadian Ophthalmological Society*

0805 Local welcome • *Kylen McReelis, President, Eye Physicians and Surgeons of Ontario*

0810 Chair's welcome and introductions • *Yvonne M. Buys*

0815 Prescribing glasses for children • *Sean P. Donahue*

0825 Discussion

0830 Microperimetry and its role in low vision rehabilitation • *Filippo M. Amore*

0840 Discussion

0845 Innovations in ocular surface stem cell transplantation • *Virender S. Sangwan*

0855 Discussion

0900 Mechanisms of angle closure • *Harry A. Quigley*

0915 Discussion

0920 **COS Awards of Excellence:** Paper and poster winners • *G. Robert LaRoche*

0945 **Lifetime Achievement Award** presented to John Richards • *Simon Holland & Martin McCarthy*

1000 Adjourn

30 YEARS YOUNG! | DÉJÀ 30 ANS!

0730 – 1715 • Room 204, Shaw Centre

CANADIAN SOCIETY OF OPHTHALMIC REGISTERED NURSES
SOCIÉTÉ CANADIENNE DES INFIRMIÈRES ET INFIRMIERS EN OPTHTALMOLOGIE

FACULTY | CORPS PROFESSORAL

Kashif Baig, MD
Rosemary Bickerton, RN, BScN
Kathy Bruce, CSORN, President
Bernard Hurley, MD
Lisa O'Bonsawin, RN
Michael O'Connor, MD
Janet Powers, CSORN, Past President

MODERATOR | ANIMATRICE

Pascale Rinfret, RN, BScN

0730 Registration

0745 Welcome/CSORN 30 years young!

0800 This hour has 22 minutes: Rapid fire trends of 2016 for the nurse's OR • *Kashif Baig*

0900 Small child…big problems? Optimizing your interactions with pediatric patients in the eye clinic • *Michael O'Connor*

0950 **Break Exhibit Hall**

1030 Cataract efficiencies doing more with less • *Rosemary Bickerton*

1100 Annual general meeting • *Kathy Bruce*

1200 Executive elections • *Janet Powers*

1215 **Lunch Exhibit Hall**

1330 Retinal problems you don't want to miss! • *Bernard Hurley*

1430 CNIB Eye Van and the path to change • *Lisa O'Bonsawin*

1500 Town hall • *Pascale Rinfret*

1630 Closing Remarks

APP TIP:

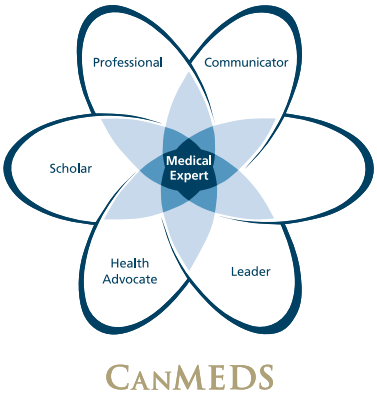
Use the map tab to get directions to the various events.

ASTUCE :

Pour savoir comment vous rendre aux différentes activités, choisissez l'option Cartes dans le menu de navigation.

LOW VISION REHABILITATION MODELS FOR CANADA

MODÈLES DE RÉADAPTATION À LA DÉFICIENCE VISUELLE POUR LE CANADA



1045 – 1215 • Canada Hall I, Shaw Centre

VISION REHABILITATION | RÉADAPTATION VISUELLE

LEARNING OBJECTIVES

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

- Describe the multidisciplinary nature of low vision rehabilitation
- Apply appropriate templates of identification and referral of low vision cases to low vision providers of devices
- Identify the changes in low vision services taking place currently in Canada as providers re-define the definitions of involvement in low vision rehabilitation

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la nature multidisciplinaire de la réadaptation à une déficience visuelle
- Appliquer les bons modèles pour dépister les cas de déficience visuelle et les diriger vers des fournisseurs d'appareils adaptés à leur état
- Constater les changements actuels en matière de services aux patients atteints de déficience visuelle au Canada à l'heure où les fournisseurs redéfinissent leur engagement par rapport à la réadaptation de ces patients

CHAIR | PRÉSIDENT

Samuel N. Markowitz, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Filippo M. Amore, MD, PhD

FACULTY | CORPS PROFESSORAL

Mark Bona, MD
Olga Overburry, MD
John Rafferty, MD
Martin Steinbach, MD

MODERATOR | ANIMATEUR

Samuel N. Markowitz, MD

1045 Introductions and welcome • *Samuel N. Markowitz*

1053 WHO model for LVR • *Filippo M. Amore*

1108 Q & A

1111 A model for LVR for Ontario • *Mark Bona*

1123 Q & A

1130 15 years of basic low vision research in a tertiary care hospital: Successful collaborations among clinicians and scientists • *Martin Steinbach*

1142 Q & A

1145 Vision loss rehabilitation – An integral component of the continuum of care • *John Rafferty*

1157 Q & A

1200 Graduate training in vision impairment & rehabilitation: Canada's new program for the 21st century • *Olga Overburry*

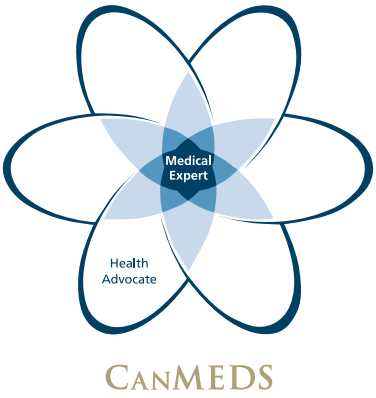
1212 Q & A

1215 Adjourn

GLAUCOMA I: Glaucoma and quality of life

GLAUCOME I: Glaucome et qualité de vie

1045 – 1215 • Room 206, Shaw Centre



CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME

LEARNING OBJECTIVES

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

- Gain a greater understanding of the patient's perspective on glaucoma management and factors that may increase adherence to treatment
- Recognize the effects of vision loss from glaucoma on driving safety
- Appreciate the specific effects of glaucoma on activities that increase patient quality of life such as painting

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Mieux comprendre le point de vue des patients par rapport à la gestion du glaucome et les facteurs susceptibles d'accroître l'acceptation du traitement
- Reconnaître les effets de la perte de vision causée par le glaucome sur la sécurité au volant
- Reconnaître les effets particuliers du glaucome sur les activités qui améliorent la qualité de vie des patients comme la peinture

CHAIRS | PRÉSIDENTS

Bryce Ford, MD
Lesya Shuba, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

David S. Friedman, MD, MPH, PhD
Ivan Goldberg, AM, MB, BS (Syd), FRANZCO, FRACS
Harry A. Quigley, MD

FACULTY | CORPS PROFESSORAL

Balwantray Chauhan, MD

MODERATORS | ANIMATEURS

Beatrice Des Marchais, MD
David Marshall, MD

1045 Patient perspective on glaucoma management: Including quality of life issues and adherence • *Ivan Goldberg*

1110 Glaucoma and function • *David S. Friedman*

1135 Driving and glaucoma • *Balwantray Chauhan*

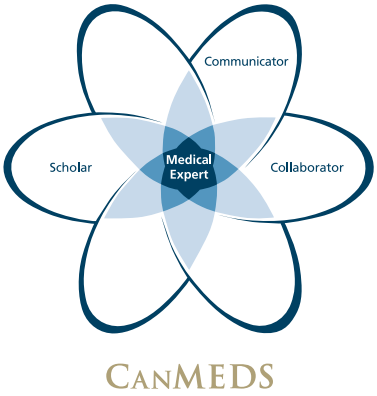
1155 Glaucoma management in the 21st century • *Harry A. Quigley*

1215 Adjourn

PEDIATRICS I for the comprehensive ophthalmologist

PÉDIATRIE I pour l'ophtalmologiste complet

1045 – 1215 • Room 202, Shaw Centre



CANADIAN ASSOCIATION OF PEDIATRIC OPHTHALMOLOGY AND STRABISMUS
ASSOCIATION CANADIENNE DES OPHTALMOLOGISTES PÉDIATRIQUES ET STRABISME

LEARNING OBJECTIVES

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

- Integrate tips on the pediatric eye exam into practice
- Assess ophthalmia neonatorum prophylaxis, torticollis in children, recovery of stereopsis in childhood strabismus and when to image strabismus
- Differentiate pediatric glaucoma from normal variants
- Describe how to avoid trouble in strabismus surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer à leur pratique des conseils sur l'examen ophtalmologique chez les enfants
- Évaluer la prophylaxie de l'ophtalmie néonatale, le torticolis chez les enfants, le rétablissement de la stéréopsie chez les enfants atteints de strabisme et à quel moment recourir à l'imagerie dans les cas de strabisme
- Distinguer le glaucome infantile des variantes normales de cette maladie
- Décrire comment éviter les problèmes pendant une chirurgie du strabisme

CHAIR | PRÉSIDENTE
Jane Gardiner, MD

MODERATOR | ANIMATRICE
Jane Gardiner, MD

FACULTY | CORPS PROFESSORAL
Michael Flanders, MD
Robert LaRoche, MD
Inas Makar, MD, FRCSEd
Conor Mulholland, MD
Michael O'Connor, MD
Johane Robitaille, MD
Sapna Sharan, MD

1045 Introduction

1047 Pediatric eye exam: Part 2 • *Michael O'Connor*

1057 Ophthalmia neonatorum: Is prophylaxis needed? • *Conor Mulholland*

1107 Does this child have glaucoma? • *Sapna Sharan*

1116 Discussion

1127 Strabismus, when to image • *Johane Robitaille*

1136 How to avoid trouble in strabismus surgery • *Robert LaRoche*

1145 Torticollis in children • *Michael Flanders*

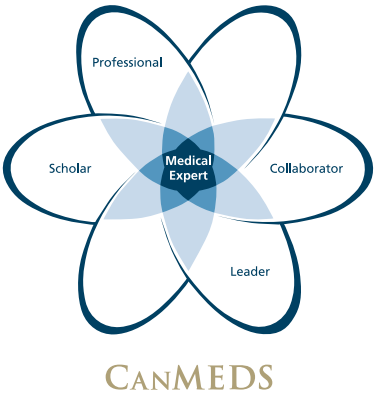
1154 Recovering binocular vision in children with strabismus: a reality or a myth? • *Inas Makar*

1203 Discussion

1215 Adjourn

SURGICAL TEACHING SERIES: Anterior vitrectomy techniques for the anterior segment surgeon

ENSEIGNEMENT CHIRURGICAL : Techniques de vitrectomie antérieure pour le chirurgien du segment antérieur



1045 – 1215 • Room 203, Shaw Centre

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE

LEARNING OBJECTIVES

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

- Describe the ocular dynamics of vitreous
- Manage acute and pre-existing vitreous in the anterior chamber
- Utilize both limbal and pars plana approaches to dealing with vitreous
- Avoid retinal complications when dealing with vitreous

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les propriétés oculaires du vitré
- Gérer la présence aiguë et préexistante de vitré dans la chambre antérieure
- Utiliser les approches par la voie limbique et les approches par la pars pour traiter les vitrectomies
- Éviter les complications rétiniennes lors des vitrectomies

CHAIRS | PRÉSIDENTS

Jit Gohill, MD
Devesh Varma, MD

FACULTY | CORPS PROFESSORAL

Iqbal Ike Ahmed, MD
Netan Choudhry, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD
Michael E. Snyder, MD

MODERATOR | ANIMATEUR

Iqbal Ike Ahmed, MD

1045 Vitrectomy for PC rent and vitreous prolapse • *Iqbal Ike Ahmed*

1058 Vitrectomy for pre-existing vitreous prolapse • *Michael E. Snyder*

1111 Discussion

1121 Understanding vitrectomy settings, and techniques for limbal approach • *Lisa Brothers Arbisser*

1134 Learning pars plana anterior vitrectomy • *Lisa Brothers Arbisser*

1147 Important limbal and pars plana anterior vitrectomy principles for the anterior segment surgeon to prevent retinal complications • *Netan Choudhry*

1200 Discussion

1215 Adjourn

SKILLS TRANSFER COURSE: Cornea – Sutured intraocular lenses (IOLs) and repair of iris defects including pupillary cerclage

COURS DE TRANSFERT DES COMPÉTENCES : Cornée – Lentilles intraoculaires avec point de suture et réparation de défauts de l'iris, y compris le blocage pupillaire par cerclage

1045 – 1215 • Room 205, Shaw Centre

LEARNING OBJECTIVES

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

- Identify patients who may benefit from sutured IOLs and iris repair
- Describe the surgical steps to complete suturing of an IOL and of iris repair
- Identify more difficult steps in the procedures and where complications may occur
- Avoid and manage possible complications of the procedures
- Engage in the post-operative care of patients after sutured IOLs and iris repair

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Dépister les patients qui pourraient bénéficier de LIO avec points de suture et d'une réparation de l'iris
- Décrire les étapes chirurgicales pour faire les points de suture d'une LIO et d'une réparation de l'iris
- Cerner les étapes les plus difficiles des interventions et prévoir les risques de complications
- Éviter et gérer les complications possibles des interventions
- Participer aux soins postopératoires des patients après les interventions

STC CHAIR | PRÉSIDENT DES CTC

Delan Jinapriya, MD

COURSE DIRECTOR | DIRECTEUR DU COURS

Joshua Teichman, MD

FACULTY | CORPS PROFESSORAL

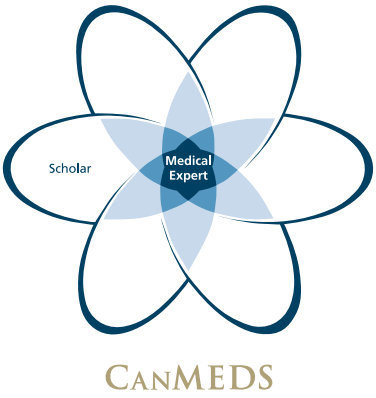
Kashif Baig, MD
Matthew Bujak, MD
Clara Chan, MD
Mahshad Darvish, MD
Sébastien Gagné, MD
Mauricio Perez, MD
Javiera Compan Vitali, MD
Sonia Yeung, MD
Setareh Ziai, MD

In this course, the attendees will learn the indications, surgical techniques, common complications, complication management, and the post-operative care of sutured IOLs and iris defect repair.

Dans ce cours, les participants apprendront la marche à suivre, les techniques chirurgicales, les complications courantes, la gestion des complications et les soins postopératoires des lentilles intraoculaires (LIO) avec points de suture et de la réparation de défauts de l'iris.

CONTROVERSIES IN CORNEA – Elbow-deep in dirty cornea

CONTROVERSES AUTOUR DE LA CORNÉE : Les deux mains dans la cornée sale



1330 – 1500 • Canada Hall I, Shaw Centre

CANADIAN CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY SOCIETY | SOCIÉTÉ CANADIENNE DE LA CORNÉE, DES MALADIES EXTERNES ET DE LA CHIRURGIE RÉFRACTIVE

LEARNING OBJECTIVES

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

- Describe indications for amniotic membrane transplantation
- Describe the management of infectious keratitis and end-stage corneal disease

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la marche à suivre pour une transplantation de la membrane amniotique
- Décrire la gestion de la kératite infectieuse et d'une maladie cornéenne au stade ultime

CHAIR | PRÉSIDENT
Kashif Baig, MD

MODERATOR | ANIMATEUR
Chris Seamone, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Rajesh Fogla, MD, FRCS
Enrique O. Graue-Hernández, MD, MSc
Virender S. Sangwan, MS

PANELISTS | PANÉLISTES
Clara Chan, MD
Mahshad Darvish, MD

1330 Introduction • *Chris Seamone*

1332 Shifting trends in bacterial keratitis in Toronto: A 15-year review • ***Mario Saldanha***, *Alex L. Tam, Elie Cote, Alex Lichtinger, Allan R. Slomovic*

1339 The prevalence of and risk factors for contamination of donor corneal rims obtained from the Toronto Eye Bank • ***John SeiYoung Park***, *Rahul A. Sharma, Yao Wang, Linda Sharpen, Rookaya Mather*

1346 Discussion

1350 Diagnosis and management of fungal corneal ulcers • *Rajesh Fogla*

1400 Discussion

1404 Boston keratoprosthesis type 1 surgery: 5-year follow-up of frozen versus fresh corneal donor carriers • **Adam Muzychuk**, *Marie-Claude Robert, Stanley Dao, Mona Harissi-Dagher*

1411 Resistance to keratolysis of cross-linked cryopreserved donor corneas • ***Darrell Lewis***, *Mark E. Seamone, Christopher Seamone*

1418 Complications of type I Boston keratoprostheses in children • *Asim Ali*

1425 Discussion

1430 Amniotic membrane transplantation • *Enrique O. Graue-Hernández*

1440 Discussion

1444 Management options for end-stage corneal diseases • *Virender S. Sangwan*

1454 Discussion

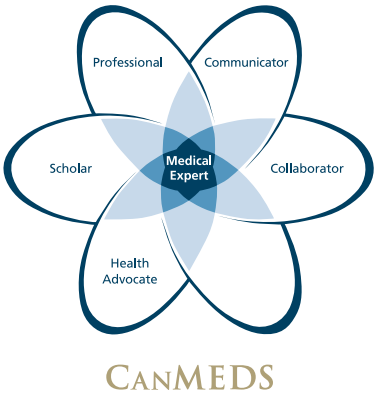
1500 Closing Remarks

GLAUCOMA II: Surgical management of glaucoma

GLAUCOME II : Gestion chirurgicale du glaucome

1330 – 1500 • Room 206, Shaw Centre

CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Learn about novel surgical approaches to common presentations of glaucoma
- Apply a patient-centered approach to management of glaucoma
- Review surgical management of glaucoma
- Compare trabeculectomy, shunts and MIGS in the surgical management of glaucoma
- Review the trends in the surgical management of glaucoma in Canada

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Connaître les nouvelles techniques chirurgicales pour traiter les cas courants de glaucome
- Appliquer des approches de gestion du glaucome centrées sur le patient
- Revoir leurs notions de gestion chirurgicale du glaucome
- Comparer la trabéculectomie, les implants de drainage et les techniques MIGS de gestion chirurgicale du glaucome
- Revoir les tendances en matière de gestion chirurgicale du glaucome au Canada

CHAIRS | PRÉSIDENTS

Bryce Ford, MD
Lesya Shuba, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Harry A. Quigley, MD

FACULTY | CORPS PROFESSORAL

Iqbal Ike Ahmed, MD
Yvonne M. Buys, MD
Paul Rafuse, MD

MODERATORS | ANIMATEURS

Andrew Crichton, MD
Jennifer Rahman, MD, FRCSC

1330 MIGS and why the trab is dead • *Iqbal Ike Ahmed*

1350 Trabeculectomy, still on top despite MIGS • *Harry A. Quigley*

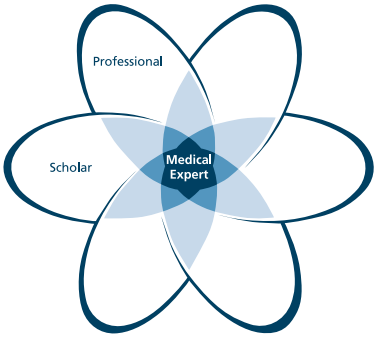
1415 Tubes • *Paul Rafuse*

1440 Surgical trends in Canada • *Yvonne M. Buys*

1500 Adjourn

PEDIATRICS II: Strabismus, amblyopia and vision screening

PÉDIATRIE II : Strabisme, amblyopie et dépistage des troubles visuels



CanMEDS

1330 – 1500 • Room 202, Shaw Centre

CANADIAN ASSOCIATION OF PEDIATRIC OPHTHALMOLOGY AND STRABISMUS
ASSOCIATION CANADIENNE DES OPHTALMOLOGISTES PÉDIATRIQUES ET STRABISME

LEARNING OBJECTIVES

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

- Evaluate the outcome of various types of strabismus surgery
- Assess the cost and cost effectiveness of glasses
- Describe the role of preschool vision screening
- Assess trends in type of strabismus procedures being done, over time, in Ontario

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les résultats de divers types d'opérations du strabisme
- Évaluer le coût et le rapport coût-avantage des lunettes
- Décrire le rôle du dépistage des troubles de la vue chez les enfants d'âge préscolaire
- Évaluer les tendances en matière d'opérations du strabisme réalisées au fil des ans en Ontario

CHAIR | PRÉSIDENTE
Jane Gardiner, MD

MODERATOR | ANIMATRICE
Annick Fournier, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Sean P. Donahue, MD, PhD

1330 Introduction

1331 Evaluation and surgical outcome of acquired non-accommodative esotropia among older children • ***Bo Li***, *Sapna Sharan*

1338 Incidence and surgical outcomes of incomitant side gaze strabismus • ***Stephanie Wise***, *Roy A. Cline*

1345 Postoperative analysis of pediatric esotropia associated with high hyperopia • ***Sapna Sharan***

1352 Discussion

1359 In-school eye exam for preschool children: Validation of a new model • ***Agnes Wong***, *Daphne Maurer*

1406 Update on preschool vision screening • *Sean P. Donahue*

1425 Discussion

1432 Impaired sensitivity to audiovisual asynchrony in amblyopia • ***Michael D. Richards***, Herbert Goltz, Agnes Wong

1439 Cost of prescription lenses for pediatric patients: A systematic review and cost-effectiveness analysis • ***Sapna Sharan***, Ryan Wilson, Erik Leci, Monali Malvankar

1446 Trends in pediatric strabismus procedures in Ontario from 2000 - 2013 • ***Meggie D. Caldwell***, Andrei-Alexandru Szigiato, Yvonne M. Buys, Kamiar Mireskandari

1453 Discussion

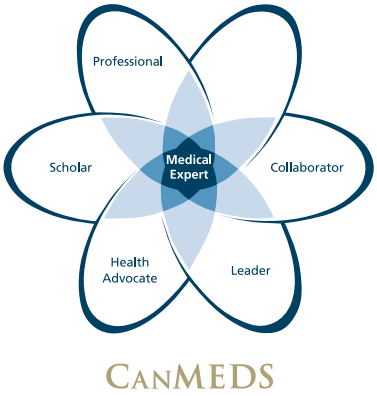
1500 Adjourn

CHALLENGING CATARACT CASES

CAS DE CATARACTE COMPLEXES

1330 – 1500 • Room 203, Shaw Centre

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



CanMEDS

LEARNING OBJECTIVES

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

- Diagnose complex and challenging cataract patients
- Prepare an approach of how and when to deal with these cases
- Assess patients with complex iris abnormalities and treat with an appropriate medical and surgical plan
- Review treatment options for a broken posterior capsule and integrate those techniques it into your surgical practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Diagnostiquer des cas complexes de cataracte
- Élaborer un plan de traitement de ces cas (comment et quand)
- Évaluer les patients présentant des anomalies complexes de l'iris et les traiter en suivant un plan médical et chirurgical approprié
- Revoir les options de traitement dans les cas de capsule postérieure endommagée et intégrer ces techniques à leurs pratiques chirurgicales

CHAIRS | PRÉSIDENTS

Jit Gohill, MD
Devesh Varma, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD
Michael E. Snyder, MD

FACULTY | CORPS PROFESSORAL

Iqbal Ike Ahmed, MD
Guillermo Rocha, MD
Devesh Varma, MD

MODERATOR | ANIMATEUR

Jit Gohill, MD

1330 No iris, now what? • *Michael Snyder*

1345 The art of posterior capsulorrhexis and opic capture • *Lisa Brothers Arbisser*

1400 Management of femtosecond laser tags • *Guillermo Rocha*

1415 Black cataract • *Devesh Varma*

1430 Traumatic cataract and iris repair • *Iqbal Ike Ahmed*

1500 Adjourn

SKILLS TRANSFER COURSE: CATARACT – Anterior vitrectomy

COURS DE TRANSFERT DES COMPÉTENCES – Vitrectomie antérieure

1330 – 1500 & 1545 – 1715

• Room 205, Shaw Centre

NOTE: This course is linked to the pre-requisite surgical teaching series lecture Saturday June 18 from 1045 – 1215.

Les participants à cette séance doivent préalablement avoir assisté au programme de la série d'enseignement chirurgical du samedi 18 juin, de 10 h 45 à 12 h 15.

LEARNING OBJECTIVES

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

- Describe the technique for bimanual anterior vitrectomy
- Apply principles and technique for sulcus IOL placement with optic capture
- Demonstrate surgical iridectomy technique with the vitrectomy cutter

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la technique de vitrectomie antérieure bimanuelle
- Appliquer les principes et les techniques de positionnement des LIO dans le sulcus avec capture optique
- Démontrer la technique chirurgicale d'iridectomie avec le brouteur

STC CHAIR | PRÉSIDENT DES CTC

Delan Jinapriya, MD

COURSE DIRECTORS | DIRECTEURS DES COURS

Netan Choudhry, MD
Patrick Gooi, MD

FACULTY | CORPS PROFESSORAL

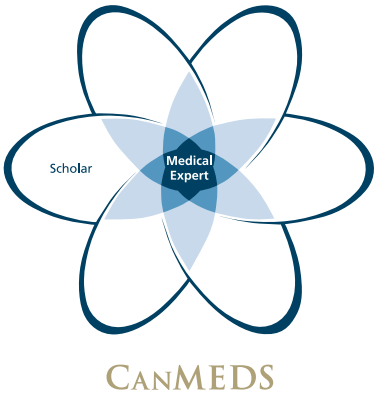
Ahmed Al-Ghoul, MD
Jamie Bhamra, MD
Michael Butler, MD
Toby Chan, MD
Mahshad Darvish, MD
Jit Gohill, MD
Garfield Miller, MD
Mauricio A. Perez, MD
Dominik Podbielski, MD
Ken Roberts, MD
Javiera Compan Vitali, MD
Devesh Varma, MD
Kevin Warrian, MD

This course has both didactic and hands-on components. Participants will become comfortable setting up the anterior vitrectomy modules for a number of phaco cataract machines. Advance registration is required.

Ce cours comporte un volet théorique et un volet pratique. Les participants se familiariseront avec l'installation des modules de vitrectomie antérieure sur plusieurs phacoémulsificateurs. Inscription à l'avance obligatoire.

REFRACTIVE CORNEA SURGERY – More than one way to skin a cornea: Options for vision correction in 2016

CHIRURGIE RÉFRACTIVE DE LA CORNÉE : Plusieurs façons d'opérer une cornée : options de correction de la vue en 2016



1545 – 1715 • Canada Hall I, Shaw Centre

CANADIAN CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY SOCIETY | SOCIÉTÉ CANADIENNE DE LA CORNÉE, DES MALADIES EXTERNES ET DE LA CHIRURGIE RÉFRACTIVE

LEARNING OBJECTIVES

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

- Compare some cornea-based and lens-based options to correct vision
- Describe refractive options in ectatic patients

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Comparer quelques options de correction de la vue basées sur la chirurgie de la cornée ou du cristallin
- Décrire les options de chirurgie réfractive chez les patients présentant une ectasie

CHAIR | PRÉSIDENT
Kashif Baig, MD

MODERATOR | ANIMATEUR
Ron Baldassare, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Rajesh Fogla, MD, FRCS
Enrique O. Graue-Hernández, MD, MSc

PANELISTS | PANÉLISTES
Matt Bujak, MD
Johanna Choremis, MD

1545 Introduction • *Ron Baldassare*

1547 Integrity of intrastromal arcuate keratotomies performed by femtosecond laser • ***Samir Jabbour***, *Maheen Haque, Ali Fadlallah, Elias Chlela, Samir Melki, Mona Harissi-Dagher*

1554 Early outcome of topography-guided photorefractive keratectomy performed with schwind amaris laser with simultaneous cross-linking for keratoconus and post-LASIK ectasia • ***Simon P. Holland***, *David T.C. Lin, Umi Noh*

1601 Discussion

1605 Presentation of Bruce Jackson Lecture • *Ron Baldassare*

1607 **Bruce Jackson Lecture:** Topography-guided laser treatment in refractive surgery • *Rajesh Fogla*

1617 Discussion

1621 Long-term outcomes and complications of phakic IOLs • *Enrique O. Graue-Hernández*

1631 Discussion

1635 Strengths and flaws of SMILE • *Enrique O. Graue-Hernández*

1645 Discussion

1649 Alcohol delamination in the treatment of recurrent corneal erosion syndrome • ***Tanguy Boutin***, *Michele Mabon*

1656 Phototherapeutic keratectomy versus manual epithelial debridement for corneal cross-linking in keratoconus: 1-year outcomes of 330 eyes • ***Parnian Arjmand***, *Joshua C. Teichman, Darya Kurowecki, Ronan Conlon, Setareh Ziai, George Mintsioulis, W. Bruce Jackson, Kashif Baig*

1703 Analysis of the change induced by riboflavin and ultraviolet light on corneal collagen by infrared spectrometry • ***Jayd Lukenchuk***, *Mark Hackett, Mary-Magdalene Ugo Dodd, Vikas Sharma*

1710 Discussion

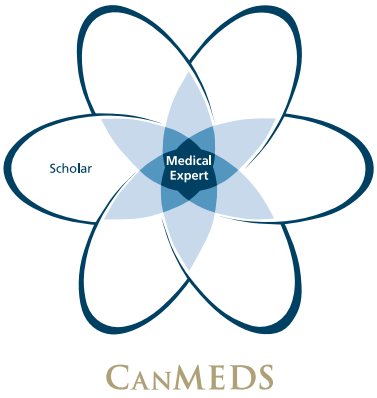
1715 Closing Remarks

GLAUCOMA III – Glaucoma research

GLAUCOME III – Recherche sur le glaucome

1545 – 1715 • Room 206, Shaw Centre

CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Discuss recent developments and discoveries in the field of glaucoma
- Encourage students, residents and young ophthalmologists to participate in glaucoma research

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Discuter des nouveautés et découvertes dans le domaine de la recherche sur le glaucome
- Encourager les étudiants, les résidents et les jeunes ophtalmologistes à prendre part à la recherche sur le glaucome

CHAIRS | PRÉSIDENTS

Bryce Ford, MD
Lesya Shuba, MD

MODERATORS | ANIMATEURS

Catherine Birt, MD
Fred Mikelberg, MD

1545 Implications of sustained effects of prostaglandin analogues after prolonged washout • ***Nicholas Ault***, *Eddie Y. Liu, Carter Lim, Vlad Diaconita, Jillian Belrose, Cindy Hutnik*

1555 Effect of smoking on outcomes of trabeculectomy • ***Shveta Bali***, *Jennifer W. Rahman, Gdih Gdih, Lisa F. Gould*

1605 Lens extraction: an intervention in angle-closure in a Canadian population • ***Stanley Dao***, *Aisha Busaidi, Nawaf Almarzouki, Hady Saheb*

1615 Intraocular pressure lowering effects of phacoemulsification: a meta-analysis • ***Zainab Khan***, *Robert J. Campbell*

1625 Quantitative noninvasive angiography of the peripapillary circulation using speckle variance optical coherence tomography (svOCT) in Glaucoma • ***Zaid Mammo***, *Morgan Heisler, Chandrakumar Balaratnasingam, Sieun Lee, Eduardo Navajas, Andrew Kirker, David A. Albiani, Andrew B. Merkur, Steven Schendel, Marinko Sarunic, Paul Mackenzie*

1635 Investigating TRPM7 in retinal ganglion cells: Implications for glaucoma • ***Jasmin Nari***, *Tal Milman, Jillian Belrose, Hong Liu, Cindy Hutnik*

1645 Efficacy and safety of trabecular micro-bypass stent implantation for open-angle glaucoma: a meta-analysis • ***Marko Popovic***, *Xavier M. Campos-Möller, Hady Saheb, Iqbal Ike K. Ahmed*

1655 Refractive profile and biometric properties of a Canadian narrow angle population: A prospective study • ***Sarah M. Simpson***, *Edward B. Moss, Harmanjit Singh, Isabella Irrcher, Delan Jinapriya*

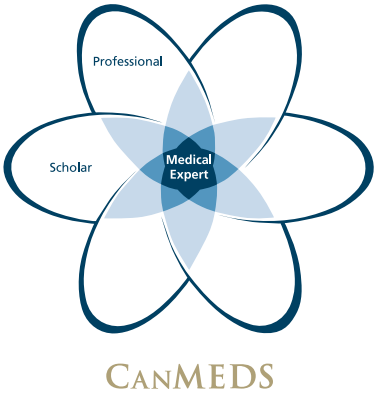
1705 Discussion

1715 Adjourn

PEDIATRICS III – Pot-pourri
PÉDIATRIE III – Pot-pourri

1545 – 1715 • Room 202, Shaw Centre

CANADIAN ASSOCIATION OF PEDIATRIC OPHTHALMOLOGY AND STRABISMUS | ASSOCIATION CANADIENNE DES OPHTALMOLOGISTES PÉDIATRIQUES ET STRABISME



LEARNING OBJECTIVES

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

- Describe an on call system for pediatric emergencies
- Integrate new information regarding ROP care
- Integrate assessment of the RNFL into practice
- Describe an approach to the visually impaired infant

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les caractéristiques des urgences oculaires chez les enfants dans différents centres du Canada
- Intégrer les nouvelles informations sur le traitement de la rétinopathie du prématuré
- Intégrer l'évaluation de la CFNR à la pratique
- Décrire une approche de traitement des nourrissons atteints de déficience visuelle

CHAIR | PRÉSIDENTE
Jane Gardiner, MD

MODERATOR | ANIMATRICE
Johane Robitaille, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Sean P. Donahue, MD, PhD

1545 Introduction

1546 Poster Preview (Two minutes per poster)

1546: Application of diagnosis using the digital-photoscreener in Chinese patients with X-linked ocular albinism • *Xiangming Guo*

1548: Ischemic central retinal vein occlusion (CRVO) in a 14-year-old girl with factor V Leiden • ***Kunyong Xu***, *Vasudha Gupta, John T. Gonder*

1550: Childhood acute lymphoblastic leukemia and iris infiltration: a case report and systematic review • ***Ashley M. Yu***, *Stephanie Chan, Yiannis Iordanous, Michael O'Connor*

1552 An evaluation of the ophthalmology on-call system for pediatric emergencies • ***Jade A. Huang, Stephanie L. Cote***, *Emi Sanders, William Astle, John Huang*

1559 Current state of affairs: Pediatric ophthalmology in Ontario • ***Hannah Chiu***, *Melissa Florence, Dayle Sigesmund, Wai-Ching Lam*

1606 Discussion

1614 A quick method of assessing the retinal nerve fiber layer (RNFL) in children prior to OCT • *Joseph R. Buncic*

1621 Cost analysis of Ontario Telemedicine Screening for Retinopathy of Prematurity (ONTROP) • ***Maram Isaac***, *Kamiar Mireskandari, Nasrin N. Tehrani*

1628 Bilateral retinal vascularization after unilateral bevacizumab for type 1 retinopathy of prematurity • ***Nasrin N. Tehrani***, *Maram Isaac, Kamiar Mireskandari*

1635 Discussion

1642 Visually impaired infant • *Sean P. Donahue*

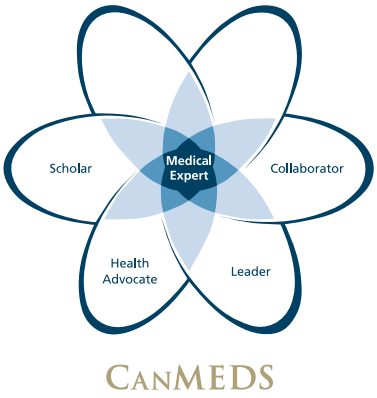
1707 Discussion

1715 Adjourn

OCULAR REGENERATIVE MEDICINE

MÉDECINE OCULAIRE RÉGÉNÉRATIVE

1545 – 1715 • Room 203, Shaw Centre



CANADIAN OCULAR REGENERATIVE MEDICINE SOCIETY
SOCIÉTÉ CANADIENNE DE MÉDECINE OCULAIRE RÉGÉNÉRATIVE

LEARNING OBJECTIVES

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

- Share research ideas in the area of ocular regeneration and consider collaborative studies
- Identify other ophthalmologists in Canada with an interest and expertise in ocular regenerative medicine
- Describe limbal stem cell biology and epithelial surface regeneration
- Evaluate the long term outcome of Simple Limbal Stem Cell Transplantation (SLET)
- Discuss recent work involving intracameral corneal endothelial injection

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Échanger des idées de recherche en régénération oculaire et envisager des études en collaboration
- Recenser les ophtalmologistes au Canada intéressés et experts en régénération oculaire
- Décrire les caractéristiques biologiques des cellules souches limbiques et la régénération de la surface épithéliale
- Évaluer les résultats à long terme d'une greffe simple de cellules souches limbiques (SLET)
- Discuter des travaux récents sur l'injection intracamérale de l'endothélium cornéen

CHAIR | PRÉSIDENT
Allan Slomovic, MSc, MD, FRCSC

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Virender S. Sangwan, MS

FACULTY | CORPS PROFESSORAL
Brian Ballios, MD
Isabelle Brunette, MD
Mahshad Darvish, MD
Ian MacDonald, MD
Allan Slomovic, MSc, MD, FRCSC

1545 What is new in limbal stem cell biology • *Virender S. Sangwan*

1600 Long-term outcome of SLET – Simple limbal stem cell transplantation • Virender S. Sangwan

1615 Corneal endothelial cell injection therapy • *Isabelle Brunette*

1625 Will retinal gene therapy result in regeneration? • *Ian MacDonald*

1635 Treatment of severe ocular surface failure – The Cincinnati procedure • *Mahshad Darvish*

1645 Case report • *Allan Slomovic*

1655 Systemic immunosuppression for limbal stem cell transplantation • *Brian Ballios*

1705 Business meeting

1715 Adjourn

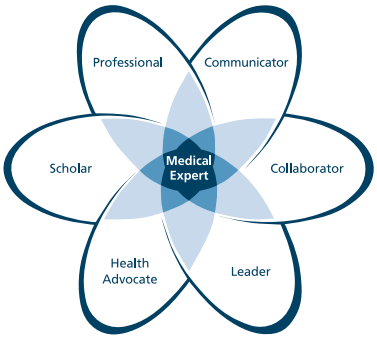
SUNDAY SNAPSHOT | DIMANCHE – COUP D'ŒUIL

Shaw Centre						
Time	**Canada Hall I**	**Room 206**	**Room 202**	**Room 203**	**Room 204**	**Room 205**
0630 – 0800		Co-developed accredited symposium *Symposium agréé élaboré conjointement* **(p. 52)**				
0700 – 0800	**Breakfast** | ***Petit déjeuner***					
0800 – 1000	Current concepts II *Notions courantes II* **(p. 51)**				CSOMP *SCPMO* **(p. 54)**	
1000 – 1045	**Break in Exhibit Hall** | ***Pause dans la salle d'exposition***					
1045 – 1215	Clinical Update: Pediatrics *Mise à jour clinique : Pédiatrie* **(p. 55)**	Retina I *Rétine I* **(p. 56)**	Oculoplastics I – General *Oculoplastie I - Générale* **(p. 57)**	Public Health Ophthalmology *Ophtalmologie et santé publique* **(p. 58)**	CSOMP *SCPMO* **(p.54)**	STC: Glaucoma MIGS *CTC : Glaucome* **(p. 59)**
1215 – 1330	**President's Luncheon (Invite Only)** | ***Dîner du Président (Sur invitation seulement)*** **Lunch in Exhibit Hall** | ***Dîner dans la salle d'exposition***					
1330 – 1500		Neuro-ophthalmology I *Neuro-ophtalmologie I* **(p. 60)**	Oculoplastics II – Free Papers *Oculoplastie II - Exposés libres* **(p. 61)**	International Ophthalmology *Ophtalmologie internationale* **(p. 62)**	CSOMP *SCPMO* **(p. 54)**	STC: Glaucoma MIGS (repeat) *CTC : Glaucome (reprise)* **(p. 59)**
1500 – 1545	**Break in Exhibit Hall** | ***Pause dans la salle d'exposition***					
1545 – 1715	Clinical Update: Retina *Mise à jour clinique : Rétine* **(p. 63)**	Neuro-ophthalmology II *Neuro-ophtalmologie II* **(p. 64)**	Oculoplastics III – Free Papers *Oculoplastie III - Exposés libres* **(p. 61)**	Clinical Update: Glaucoma *Mise à jour clinique : Glaucome* **(p. 65)**	CSOMP *SCPMO* **(p. 54)**	STC: Strabismus *CTC : Strabisme* **(p. 66)**
1715 – 1815	**Networking Event in the Exhibit Hall** | ***Réception de réseautage dans la salle d'exposition***					

CURRENT CONCEPTS II

NOTIONS COURANTES II

0800 – 1000 • Canada Hall I, Shaw Centre



CanMEDS

LEARNING OBJECTIVES

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

- Apply ethical principles to your practice
- Integrate technology and new models of care in your practice
- Describe ocular complications related to cosmetic and other surgeries

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Appliquer des principes éthiques à leur pratique
- Intégrer des techniques et de nouveaux modèles de soins à leur pratique
- Décrire les complications oculaires liées à la chirurgie esthétique et à d'autres interventions

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Claudio DeLorenzi, MD, FRCS(C)
David S. Friedman, MD, MPH, PhD
Ivan Goldberg, AM, MB, BS (Syd), FRANZCO, FRACS
Thomas S. Harbin, Jr., MD
Steffen Heegaard, MD
Bill Nortje, MD
Alfredo A. Sadun, MD, PhD

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
Simon Holland, MD

0800 Introductions • *Yvonne M. Buys*

0802 The visual axis: Where is it and is it relevant to us clinicians? • *Bill Nortje*

0812 Discussion

0815 The lens – The convicting evidence • *Steffen Heegaard*

0825 Discussion

0830 Cosmetic surgery and complications primarily related to soft tissue fillers • *Claudio DeLorenzi*

0840 Discussion

0845 Paging Dr Google • *Ivan Goldberg*

0855 Discussion

0900 Posterior ischemic optic neuropathy after surgery • *Alfredo A. Sadun*

0910 Discussion

0915 New models of care • *David S. Friedman*

0925 Discussion

0930 **COS Lecture:** Ethical lessons from waking up blind • *Thomas S. Harbin, Jr.*

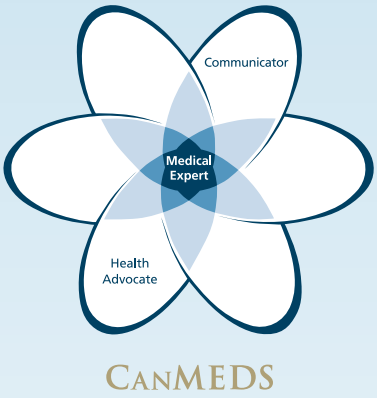
0950 Discussion

1000 Adjourn

ANTI-VEGF THERAPIES – Updates, controversies and clinical questions

TRAITEMENTS ANTI-FCVE – Nouvelles, controverses et questions cliniques

0630 – 0800 • Room 206, Shaw Centre



CO-DEVELOPED ACCREDITED SYMPOSIUM | SYMPOSIUM AGRÉÉ ÉLABORÉ CONJOINTEMENT

SCIENTIFIC PLANNING COMMITTEE | COMITÉ DE PLANIFICATION SCIENTIFIQUE

Varun Chaudhary, MD - Chair
Bernard Hurley, MD - COS representative
Walter Delpero, MD

FACULTY | CORPS PROFESSORAL

Alan Berger, MD

Michael Dollin, MD

Phil Hooper, MD

Peter Kertes, MD

Wai-Ching Lam, MD

LEARNING OBJECTIVES

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

- Integrate the findings from the latest anti-VEGF therapeutic trials into clinical practice
- Understand when anti-VEGF therapy should be used over other therapeutic options such as laser or observation
- Describe how OCT-A can enhance therapeutic decision-making
- Assess the clinical and patient factors that may suggest anti-VEGF therapy has become futile

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer les résultats des derniers essais de traitements anti-FCVE à la pratique clinique
- Comprendre dans quels cas on devrait recourir à un traitement anti-FCVE plutôt qu'à une autre option comme le laser ou l'observation

- Décrire en quoi la TCO-A peut améliorer le processus de décision thérapeutique
- Évaluer les facteurs cliniques et les facteurs relatifs au patient qui pourraient indiquer l'inutilité d'un traitement anti-FCVE

0600 Breakfast is served

0630 Welcome and introductions • *Varun Chaudhary*

0635 Protocol T - What's best for your patient? • *Wai-Ching Lam*

0650 Approaches to anti-VEGF therapy - How and when? • *Peter Kertes*

0705 Role of OCT-A in guiding therapeutic decisions • *Alan Berger*

0720 When to throw in the towel • *Phil Hooper*

0735 Case-based panel discussion • *Michael Dollin and faculty*

0800 Adjourn

This symposium was co-developed by the Canadian Ophthalmological Society and **Bayer** and was planned to achieve scientific integrity, objectivity and balance.

Le présent symposium a été élaboré conjointement avec la Société canadienne d'ophtalmologie et **Bayer** et a été conçu pour que toutes les données présentées soient valides, objectives et équilibrées.

Breakfast will be served. | Petit-déjeuner sera servi.

ANNUAL EDUCATION DAY

JOURNÉE ANNUELLE D'ÉDUCATION

In partnership with the Joint Commission on Allied Health Personnel in Ophthalmology
En partenariat avec la Joint Commission on Allied Health Personnel in Ophthalmology

0730 – 1715 • Room 204, Shaw Centre

CANADIAN SOCIETY OF OPHTHALMIC MEDICAL PERSONNEL
SOCIÉTÉ CANADIENNE DU PERSONNEL MÉDICAL EN OPHTALMOLOGIE

FACULTY | CORPS PROFESSORAL

William Astle, MD, FRCS(C), Dipl. ABO
Carla Blackburn, BSc, COMT, ROUB
Mark Bona, MD, FRCS(C)
Sherif El-Defrawy, PhD, MD, FRCS(C)
Bruce Jackson, MD, FRCS(C)
Amin Kherani, MD
Marc D. Lafontaine, BSc, COMT, COP
Craig Simms, BSc, COMT, ROUB, CDOS
Sabrina Taylor, BSc, COMT
Setareh Ziai, MD, FRCS(C)

0730 **Breakfast**

0750 Welcome and introduction to Annual CE Day • *Craig Simms & Marc D. Lafontaine*

0800 IOL selection • *Sherif El-Defrawy*

0900 New thoughts on amblyopia treatment: The PEDIG Studies • *William Astle*

1000 **Break**

1030 Unwelcome guests: Infectious agents on the anterior segment • *Bruce Jackson*

1130 All the wrong bumps in all the wrong places • *Setareh Ziai*

1215 **Lunch**

1330 Low vision • *Mark Bona*

1415 Complications of Cataract Surgery • *Amin Kherani*

1500 **Break**

1530 Problem solving in biometry: Tricky biometry cases • *Carla Blackburn*

1615 Supervision. What can I do? • *Marc D. Lafontaine*

1645 Shadows and more shadows: When vision quality not quantity matters • *Sabrina Taylor*

1715 Submit course evaluation for continuing education credits

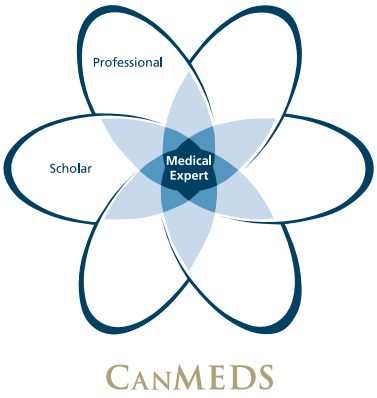
This program has been approved for 7.0 JCAHPO "A" credits
Ce programme donne droit à 7.0 crédits « A » de la JCAHPO

CLINICAL UPDATE: Pediatrics

MISE À JOUR CLINIQUE : Pédiatrie

1045 – 1215 • Canada Hall I, Shaw Centre

CANADIAN ASSOCIATION OF PEDIATRIC OPHTHALMOLOGY AND STRABISMUS | ASSOCIATION CANADIENNE DES OPHTALMOLOGISTES PÉDIATRIQUES ET STRABISME



LEARNING OBJECTIVES

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

- Integrate lessons from SCREEN ROP and PEDIG trials into practice
- Differentiate management of pediatric from adult ocular trauma
- Describe heavy eye syndrome

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer des leçons des études SCREEN ROP et PEDIG à leur pratique
- Faire la différence entre la gestion des traumatismes oculaires chez l'enfant et chez l'adulte
- Décrire le syndrome de l'œil lourd

CHAIR | PRÉSIDENTE

Jane Gardiner, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Sean P. Donahue, MD, PhD

FACULTY | CORPS PROFESSORAL

Kamiar Mireskandari, MD
Kourosh Sabri, MD
Carlos Solarte, MD

MODERATORS | ANIMATEURS

Jane Gardiner, MD
Patrick Hamel, MD

1045 Introduction

1046 Lessons learned from SCREEN-ROP • *Kourosh Sabri*

1104 Heavy eye syndrome • *Carlos Solarte*

1122 Discussion

1130 Special considerations in managing paediatric ocular trauma • *Kamiar Mireskandari*

1148 Lessons from the PEDIG trials • *Sean P. Donahue*

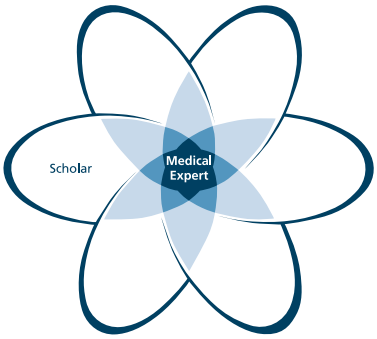
1206 Discussion

1215 Adjourn

RETINA I | RÉTINE I

1045 – 1215 • Room 206, Shaw Centre

CANADIAN RETINA SOCIETY
SOCIÉTÉ CANADIENNE DE LA RÉTINE



CanMEDS

LEARNING OBJECTIVES

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

- Integrate emerging treatments for Wet AMD in their practice and training
- Apply the preferred practice patterns for the treatment macular edema
- Recognize the pros and cons of 27-gauge vitrectomy for various surgical indications

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer à leur pratique et à leur formation des nouveaux traitements de la DMLA humide
- Appliquer les pratiques les mieux adaptées au traitement de l'œdème maculaire
- Comparer puis évaluer les techniques visant à réduire l'anxiété et à améliorer la stérilité des injections intravitréennes

CHAIRS | PRÉSIDENTS

Bernard Hurley, MD
James Whelan, MD

MODERATORS | ANIMATEURS

Bernard Hurley, MD
Amin Kherani, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Carl D. Regillo, MD, FACS

1045 Introduction • *Bernard Hurley*

1050 Emerging wet AMD treatments • *Carl D. Regillo*

1120 Discussion

1125 Canadian Preferences & Trends Survey (CAN-PAT) 2015: Anti-VEGF treatment of macular edema • ***Jaspreet Rayat***, *Parampal Grewal, James Whelan, Matthew Tennant, Netan Choudhry*

1130 Discussion

1132 Long-term intraocular pressure changes in patients receiving intravitreal bevacizumab and ranibizumab for treatment of diabetic macular edema • **Jason Kwok**, *Vincent Wu, Davin Johnson, Cody Li, Sanjay Sharma*

1137 Q & A

1139 Oral bisphosphonates and risk of age-related macular degeneration • ***David Maberley***, *Zaid Mammo, Joanne Matsubara, Michael Guo, Mahyar Etminan*

1144 Q & A

1146 A scleral tattoo gone wrong: A case of alcaligenes faecalis endophthalmitis • ***Paul Freund***, *Mark Greve*

1151 Q & A

1153 27 G vitrectomy: Pros and cons • *Carl D. Regillo*

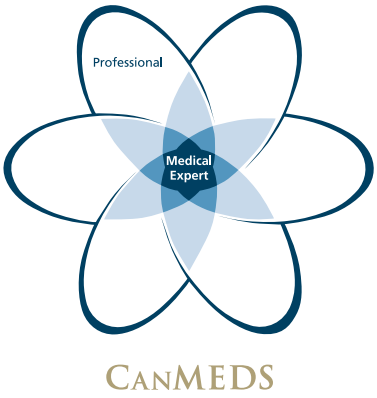
1208 Discussion

1215 Adjourn

OCULOPLASTICS I: Oculoplastics for the comprehensive ophthalmologist

OCULOPLASTIE I : Oculoplastie pour l'ophtalmologiste généraliste

1045 – 1215 • Room 202, Shaw Centre



CANADIAN SOCIETY OF OCULOPLASTIC & RECONSTRUCTIVE SURGERY | SOCIÉTÉ CANADIENNE DE L'OCULOPLASTIE ET DE LA CHIRURGIE RECONSTRUCTIVE

LEARNING OBJECTIVES

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

- Approach the management of chalazions with new knowledge
- Manage the patient with dog bite injuries with current techniques of surgery
- Treat patients with common oculoplastics injuries with more confidence

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Appliquer de nouvelles connaissances au traitement des chalazions
- Traiter les patients souffrant de morsures de chiens au moyen de techniques chirurgicales actuelles
- Traiter avec plus d'assurance les blessures oculoplastiques courantes

CHAIR | PRÉSIDENT
Larry H. Allen, MD

MODERATOR | ANIMATEUR
Larry H. Allen, MD

FACULTY | CORPS PROFESSORAL

Curtis Archibald, MD
Audrey Chan, MD
Ryan Eidsness, MD
Yvonne Molgat, MD
Nav Nijhawan, MD

1045 Introduction • *Larry H. Allen*

1050 My approach to the management of the acute chalazion • *Nav Nijhawan*

1058 Discussion

1105 My approach to eyelid issues associated with ocular rosacea • *Yvonne Molgat*

1113 Discussion

1120 My approach to exposure keratitis in the ventilated patient in the ICU • *Curtis Archibald*

1128 Discussion

1135 My approach to dog bite injuries to the facial and eyelid areas • *Ryan Eidsness*

1143 Discussion

1150 My approach to trichiasis in the young and old • *Audrey Chan*

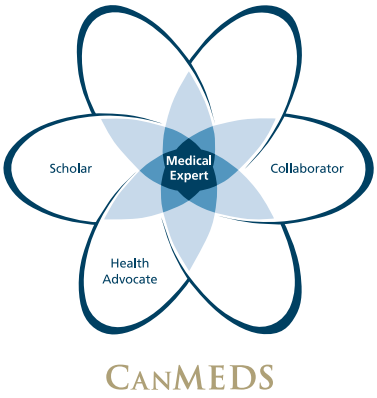
1158 Discussion

1215 Adjourn

PUBLIC HEALTH OPHTHALMOLOGY

OPHTALMOLOGIE ET SANTÉ PUBLIQUE

1045 – 1215 • Room 203, Shaw Centre



CANADIAN SOCIETY FOR INTERNATIONAL AND PUBLIC HEALTH OPHTHALMOLOGY | SOCIÉTÉ CANADIENNE DE L'OPHTALMOLOGIE INTERNATIONALE ET DE LA SANTÉ PUBLIQUE

LEARNING OBJECTIVES

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

- Describe several different programmatic approaches to delivering eye care services to remote and/or disadvantaged populations
- Outline the evidence supporting community screening for glaucoma
- Compare the disparity in eye glass insurance coverage between provinces

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire différents types de programmes pour offrir des services ophtalmologiques aux populations éloignées ou désavantagées
- Décrire les preuves des avantages du dépistage communautaire du glaucome
- Comparer l'écart entre les régimes provinciaux d'assurance pour les lunettes

CHAIRS | PRÉSIDENTS

Ralf Buhrmann, MD
Simon Holland, MD

MODERATORS | ANIMATEURS

Ralf Buhrmann, MD
Simon Holland, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

David S. Friedman, MD, MPH, PhD
Bill Nortje, MD

1045 Proportion of medical only versus surgical ophthalmology practices in Ontario: Associations and trends • ***Johnathan A. Micieli***, *Yvonne M. Buys*

1056 Disparities in eye glass insurance coverage in Canada • ***Gordon Ngo***, *Graham E. Trope, Yvonne M. Buys, Yaping Jin*

1106 Questions and panel discussion

1110 Urban townships…the new "rural" underserviced • *Bill Nortje*

1126 The Ontario OMA-CNIB Mobile Eye Care Unit • *Steve A. Arshinoff*

1138 Questions and panel discussion

1143 Tele-ophthalmology screening for diabetic retinopathy in the Cree community of James Bay, Quebec: Results of a 2-year experience • *Marie Carole Boucher*

1155 Community screening for glaucoma…an idea whose time has finally come? • *David S. Friedman*

1211 Questions and panel discussion

1215 Adjourn

SKILLS TRANSFER COURSE: MicroInvasive glaucoma surgery (MIGS): Emerging procedures

COURS DE TRANSFERT DE COMPÉTENCES : Techniques de chirurgie du glaucome appelée MIGS *(chirurgie micro-invasive du glaucome)*

1045 – 1215 & 1330 – 1500 • Room 205, Shaw Centre

LEARNING OBJECTIVES

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

- Describe the indications and techniques for implantation for XEN gel implants, iStent implants, as well as endoscopic cyclophotocoagulation
- Compare the advantages, disadvantages, and differentiate the optimal patient population of various MIGS devices
- Integrate simulation-based learning of MIGS into residency/fellowship training programs.

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la marche à suivre et les techniques d'implantation des implants XEN en gélatine, des implants iStent ainsi que de la cyclophotocoagulation endoscopique
- Comparer les avantages et les désavantages de ces techniques, et différencier les populations de patients optimales des divers appareils MIGS
- Intégrer leur apprentissage par simulation des appareils MIGS à leur programme de résidence ou de formation

STC CHAIR | PRÉSIDENT DES CTC

Delan Jinapriya, MD

COURSE DIRECTORS | DIRECTEURS DES COURS

Patrick Gooi, MD
Hady Saheb, MD

FACULTY | CORPS PROFESSORAL

Iqbal Ike Ahmed, MD
Toby Chan, MD
Andrew Crichton, MD
Mike Dorey, MD
Sébastien Gagné, MD
Priya Gupta, MD
Garfield Miller, MD
Dominik Podbielski, MD
Steve Schendel, MD
Lesya Shuba, MD
Devesh Varma, MD
Jonathan Wong, MD
Darana Yuen, MD

This session will encompass a didactic and wet lab educational session on emerging MicroInasive Glaucoma Surgical options that are available in Canada. At the end of the session, participants will be able to describe the indications and techniques for implantation for XEN gel implants, iStent implants, as well as endoscopic cyclophotocoagulation. They will also be able to compare the advantages, disadvantages, and differentiate the optimal patient population of various MIGS devices. Furthermore, participants will be able to integrate simulation-based learning of MIGS into residency / fellowship training programs.

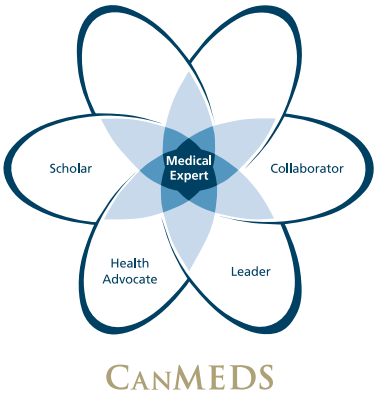
Cette séance comprend un volet théorique et un volet de formation en aqualaboratoire sur les nouvelles options de chirurgie micro-invasive du glaucome (MIGS) offertes au Canada. À la fin de ce cours, les participants seront en mesure de décrire la marche à suivre et les techniques d'implantation des implants XEN en gélatine, des implants iStent ainsi que de la cyclophotocoagulation endoscopique. Ils pourront également comparer les avantages et les désavantages de ces techniques, et différencier les populations de patients optimales des divers appareils MIGS. De plus, les participants pourront intégrer leur apprentissage par simulation des appareils MIGS à leur programme de résidence ou de formation.

NEURO-OPHTHALMOLOGY I

NEURO-OPHTALMOLOGIE I

1330 – 1500 • Room 206, Shaw Centre

CANADIAN NEURO-OPHTHALMOLOGY SOCIETY
SOCIÉTÉ CANADIENNE DE LA NEURO-OPHTALMOLOGIE



LEARNING OBJECTIVES

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

- Review current concepts in Leber's hereditary optic neuropathy
- Review the approach to the patient with visuo-vestibular symptoms in the ophthalmic practice
- Describe how audiovisual integration can be affected in amblyopia

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Revoir les concepts actuels de la neuropathie optique héréditaire de Leber
- Revoir leur façon d'aborder le patient présentant des symptômes visuo-vestibulaires
- Décrire comment l'intégration audiovisuelle peut être affectée dans les cas d'amblyopie

CHAIR | PRÉSIDENT
Amadeo Rodriguez, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Alfredo A. Sadun, MD, PhD

MODERATORS | ANIMATEURS
Amadeo Rodriguez, MD
Martin ten Hove, MD

1330 Update in Leber's hereditary optic neuropathy • *Alfredo A. Sadun*

1350 Comparing manual to semi-automated Goldmann kinetic perimetry in pituitary adenoma patients • ***Salina Teja***, *Claire Sheldon*

1400 Brainstem motility disorders with surgical solutions • ***Susan Wakil***, *Michael E. Flanders*

1410 Non-optimal integration of audiovisual spatial signals in amblyopia • ***Michael D. Richards***, *Herbert Goltz, Agnes Wong*

1420 Neuro-ophthalmic manifestations of cyclophosphamide-resistant granulomatosis with polyangiitis • ***Christopher McLaughlin***, *Amadeo R. Rodriguez*

1430 Leber's Hereditary Optic Neuropathy (LHON) open label study for EPI-743: 2016 update • ***Rustum Karanjia***, *Shellee Rockwell, Alfredo A. Sadun*

1440 My eyes are making me dizzy! – An approach to visuovestibular symptoms in ophthalmic patients • *Danny Lelli*

1450 Questions, discussion & wrap up

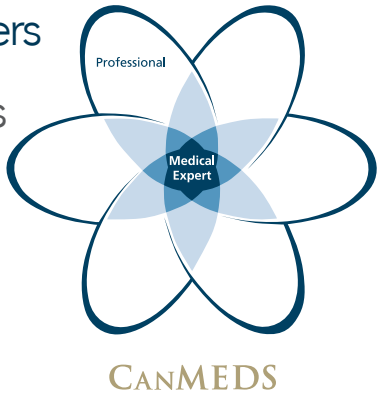
1500 Adjourn

OCULOPLASTICS II AND III – Free papers

OCULOPLASTIE II ET III – Exposés libres

1330 – 1715 • Room 202, Shaw Centre

CANADIAN SOCIETY OF OCULOPLASTIC & RECONSTRUCTIVE SURGERY | SOCIÉTÉ CANADIENNE DE L'OCULOPLASTIE ET DE LA CHIRURGIE RECONSTRUCTIVE



LEARNING OBJECTIVES

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

- Describe the practice of soft tissue fillers in the facial and periocular regions
- Identify the mechanism of orbital hemorrhage and its therapy
- Introduce new oculoplastic techniques into the participants' practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la technique de remplissage des tissus mous dans la région faciale et périoculaire
- Reconnaître le mécanisme de l'hémorragie orbitale et son traitement
- Intégrer de nouvelles techniques d'oculoplastie à leur pratique

CHAIR | PRÉSIDENT
Larry H. Allen, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Claudio DeLorenzi, MD, FRCS(C)

FACULTY | CORPS PROFESSORAL
Larry H. Allen, MD

MODERATOR | ANIMATEUR
Larry H. Allen, MD

1330 Introduction • *Larry H. Allen*

1342 A novel use of a point-of-view camera for teaching lateral canthotomy and cantholysis to emergency physician trainees • ***Stephanie L. Cote***, *Karim Punja, Patrick Gooi, Adrian Gooi, Kevin J. Warrian*

1349 Comparing the effect of levator advancement and conjunctival-mullerectomy ptosis surgery on the tear production and dry eye symptoms • ***Grace Qiao***, *Matthew Sniegowski, David Rossman, Peter Dolman, Vivian T. Yin*

1356 Discussion

1411 Effects of the site of origin of orbital hemorrhage on intraorbital pressure: A cadaveric model • ***Amaka Eneh***, *Vladimir Kratky*

1418 The hook and release technique during enucleation surgery • *David Jordan*

1425 Solitary orbital involvement in erdheim-chester diseas • ***Dena Hammoudi***, *François Codère*

1432 Corneal neurotization surgery in adults utilizing sural nerve grafts: Early results • ***Avi Rubinov***, *Farrah Yau, Ahmed Al-Ghoul, Helya Aghazadeh, Ezekiel Weis*

1437 Discussion

1500 **Break**

1545 Ocular vascular occlusion post-orbital injection • *Bo Li*, ***Larry H. Allen***, *Tom Sheidow*

1552 Where do filler injections into the tear trough and lid-cheek junction go • ***Michel J. Belliveau***, *David Howarth, James H. Oestreicher*

1600 Filler migration: Mechanisms to consider • *David Jordan*

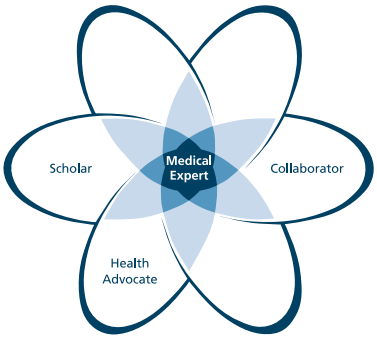
1611 Soft tissue fillers in the facial and periocular area: An update • *Claudio DeLorenzi*

1641 Discussion

1715 Conclusion and business meeting

INTERNATIONAL OPHTHALMOLOGY

OPHTALMOLOGIE INTERNATIONALE



CanMEDS

1330 – 1500 • Room 203, Shaw Centre

CANADIAN SOCIETY FOR INTERNATIONAL AND PUBLIC HEALTH OPHTHALMOLOGY | SOCIÉTÉ CANADIENNE DE L'OPHTALMOLOGIE INTERNATIONALE ET DE LA SANTÉ PUBLIQUE

LEARNING OBJECTIVES

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

- Describe global opportunities and challenges in preventing vision loss from glaucoma
- Outline strategies to prevent blindness from angle closure in Asia
- Describe the potential impact of visiting ophthalmologists on eye services in southern Africa

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les possibilités et difficultés liées à la prévention de la perte de vision associée au glaucome sur la scène mondiale
- Décrire les stratégies de prévention de la cécité liée à la fermeture de l'angle en Asie
- Décrire les retombées potentielles de la présence d'ophtalmologistes en visite dans le Sud de l'Afrique sur les soins de la vue et des yeux

CHAIRS | PRÉSIDENTS

Ralf Buhrmann, MD
Simon Holland, MD

MODERATORS | ANIMATEURS

Ralf Buhrmann, MD
Simon Holland, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

David S. Friedman, MD, MPH, PhD
Bill Nortje, MD
Harry A. Quigley, MD

1330 Frequency of glaucoma in Haiti: A pilot study • ***Nicolas Cadet***, *Mara Buruian, Christelle Doyon, Ellen E. Freeman, Paul Harasymowycz*

1340 Will we ever treat glaucoma worldwide? • *Harry A. Quigley*

1400 Prevention of blindness from angle closure in Asia • *David S. Friedman*

1420 Questions and panel discussion

1430 Visiting eye services: Ideas on working in southern Africa • Bill Nortje

1450 Questions and panel discussion

1456 **Outstanding Humanitarian Service Award:** Chandra Sankurathri

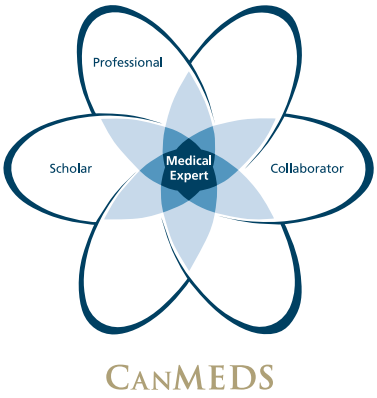
1500 Adjourn

CLINICAL UPDATE: Retina

MISE À JOUR CLINIQUE : Rétine

1545 – 1715 • Canada Hall I, Shaw Centre

CANADIAN RETINA SOCIETY
SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Describe how anti-VEGF agents are currently used to treat diabetic macular edema
- Identify choroidal melanoma masqueraders
- Describe and differentiate different types of epiretinal membranes

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire de quelle façon on utilise en ce moment des agents anti-FCVE pour traiter l'œdème maculaire diabétique
- Détecter les faux mélanomes choroïdiens
- Décrire et distinguer les différents types de membranes épirétiniennes

CHAIRS | PRÉSIDENTS

Bernard Hurley, MD
James Whelan, MD

FACULTY | CORPS PROFESSORAL

Peter Kertes, MD
Deepa Yoganathan, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Jay S. Duker, MD
Carl D. Regillo, MD, FACS

MODERATORS | ANIMATEURS

Bernard Hurley, MD
James Whelan, MD

1545 Use of Anti-VEGF agents for diabetic macular edema 2016 • *Carl D. Regillo*

1600 Melanoma or something else • *Jay S. Duker*

1615 Characterization of epiretinal membranes and current treatment preferences • ***Daniel Li***, *David Wong*

1630 Retinal innovation 2016 • *Deepa Yoganathan*

1645 Stem cell therapy for dry AMD • *Peter Kertes*

1700 Panel discussion

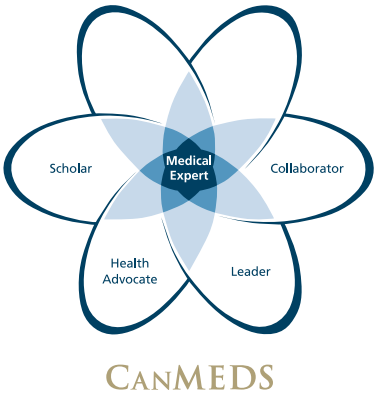
1715 Adjourn

NEURO-OPHTHALMOLOGY II

NEURO-OPHTALMOLOGIE II

1545 – 1715 • Room 206, Shaw Centre

CANADIAN NEURO-OPHTHALMOLOGY SOCIETY
SOCIÉTÉ CANADIENNE DE LA NEURO-OPHTALMOLOGIE



LEARNING OBJECTIVES

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

- Recognize how some antibiotics can lead to vision loss
- Review the advances in imaging of the visual pathway
- Test their diagnostic skills with the challenging cases

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Reconnaître que certains antibiotiques peuvent provoquer une perte de vision
- Passer en revue les nouveautés en imagerie des voies optiques
- Tester leurs compétences diagnostiques dans des cas complexes

CHAIR | PRÉSIDENT
Amadeo Rodriguez, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Alfredo A. Sadun, MD, PhD

FACULTY | CORPS PROFESSORAL
Vivek Patel, MD
Amadeo Rodriguez, MD
Martin ten Hove, MD

MODERATORS | ANIMATEURS
Amadeo Rodriguez, MD
Martin ten Hove, MD

1545 How some antibiotics can blind you • *Alfredo A. Sadun*

1605 Advanced imaging of the visual pathway • *Vivek Patel*

1625 Challenging case • *Martin ten Hove*

1635 Challenging case • *Amadeo Rodriguez*

1645 Questions and discussion

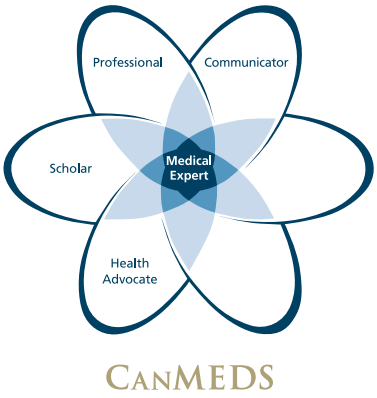
1700 Business Meeting

CLINICAL UPDATE: Glaucoma

MISE À JOUR CLINIQUE : Glaucome

1545 – 1715 • Room 203, Shaw Centre

CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Apply a patient-centered approach to management of glaucoma
- Learn about new discoveries in the area of neuroprotection in the treatment of glaucoma
- Discuss ethical issues in the management of glaucoma

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Appliquer une approche de gestion du glaucome axée sur le patient
- Reconnaître les nouveautés en neuroprotection dans le traitement du glaucome
- Discuter des questions éthiques relatives à la gestion du glaucome

CHAIRS | PRÉSIDENTS

Bryce Ford, MD
Lesya Shuba, MD

MODERATORS | ANIMATEURS

Paul Mackenzie, MD
Garfield Miller, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Ivan Goldberg, AM, MB, BS (Syd), FRANZCO, FRACS
Thomas S. Harbin, Jr., MD, MBA
Harry A. Quigley, MD

1545 The end of eye drops and the start of neuroprotection • *Harry A. Quigley*

1605 Discussion

1610 Optimizing medical management • *Ivan Goldberg*

1630 Discussion

1635 Ethics and basics in glaucoma • *Thomas S. Harbin, Jr.*

1650 Discussion

1655 Effects of visual disorder on painting • *Ivan Goldberg*

1710 Discussion

1715 Adjourn

SKILLS TRANSFER COURSE: Strabismus surgery review and new techniques

COURS DE TRANSFERT DE COMPÉTENCES : Strabisme : Revue des techniques de chirurgie du strabisme et nouvelles techniques

1545 – 1715 • Room 205, Shaw Centre

LEARNING OBJECTIVES

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

- More proficiently conduct strabismus surgery and suturing of extraocular muscles
- Apply new strabismus surgical techniques to improve surgical outcomes and reduce complications

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Réaliser plus efficacement des chirurgies du strabisme et la suture de muscles extraoculaires
- Appliquer de nouvelles techniques de chirurgie du strabisme pour améliorer les résultats chirurgicaux et réduire les complications

STC CHAIR | PRÉSIDENT DES CTC

Delan Jinapriya, MD

COURSE DIRECTOR | DIRECTRICE DU COURS

Yi Ning J. Strube, MD, MS, FRCSC, DABO

FACULTY | CORPS PROFESSORAL

Christine Law, MD, FRCSC
Andrea Leung, MD, FRCSC
Michael O'Connor, MD, FRCSC

This hands-on lab will transfer the surgical skills required for the use of both standard and new strabismus techniques. Attendees will actually perform the procedures. In addition to reviewing basic strabismus techniques, new specific techniques will include use of the grooved hook for safe suturing of tight muscles and suturing of muscles during topical anesthesia surgery. Techniques for amniotic membrane transplant useful in the treatment of restrictive strabismus will be taught. Minimally invasive techniques of partial rectus tenotomy and plication for use in the treatment of small-angle strabismus will be presented. Course includes a half-an-hour didactic session, followed by a hands-on wet lab.

Ce laboratoire pratique permettra le transfert de compétences pour la chirurgie standard et innovatrice du strabisme. Les participants mettront les interventions en pratique. Ils reverront d'une part les techniques standards de chirurgie du strabisme ainsi que de nouvelles techniques spécifiques, dont l'utilisation du crochet de Wright pour faire la suture de muscles sous tension et la suture de muscles pendant une chirurgie sous anesthésie topique. Ils verront également des techniques de transplantation de membrane amniotique utiles au traitement du strabisme restrictif. On y présentera aussi des techniques minimalement invasives de ténotomie partielle des muscles droits et de plicature utilisées pour traiter le microstrabisme. Ce cours comprend une séance théorique d'une demi-heure suivie d'un laboratoire pratique.

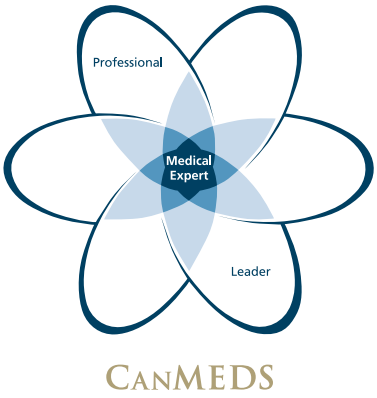
MONDAY SNAPSHOT | LUNDI – COUP D'ŒUIL

	Shaw Centre					Westin Hotel	uOSSC CCSuO
Time	**Canada Hall I**	**Room 206**	**Room 202**	**Room 203**	**Room 204**	**Les Saisons**	
0600 – 0800	**Fun Run (or Walk!)** | ***Course amusante***						
0630 – 0800						WIO Symposium *Symposium : Les femmes et l'ophtalmologie* **(p. 68)**	
0700 – 0800	**Breakfast** | ***Petit déjeuner***						
0800 – 1000	Current concepts III *Notions courantes III* **(p. 69)**				TCOS *LSCO* **(p. 70)**		
1000 – 1045	**Break in the Exhibit Hall** | ***Pause dans la salle d'exposition***						
1045 – 1215	Symposium: Refractive Cornea Surgery *Symposium : Chirurgie réfractive de la cornée* **(p. 72)**	Glaucoma Workshop: Imaging in Glaucoma *Atelier : Glaucome* **(p. 73)**	Workshop: Retinal OCT *Atelier : TCO Rétinienne* **(p. 76)**	Symposium: Cataract Surgery OVDs *Symposium : DVOs pour chirurgie de la cataracte* **(p. 74)**	TCOS *LSCO* **(p. 70)**		**1030 – 1300** STC: Oculoplastics *CTC : Oculoplastie* **(p. 77)**
1215 – 1330	**Lunch in the Exhibit Hall** | ***Dîner da la salle d'exposition***						
1330 – 1500	Cataract I *Cataracte I* **(p. 78)**	Uveitis *Uvéite* **(p. 79)**	Retina II *Rétine II* **(p. 80)**	Cornea I *Cornée I* **(p. 82)**	TCOS *LSCO* **(p. 70)**		
1500 – 1545	**Break** | ***Pause***						
1545 – 1715	Cataract II *Cataracte II* **(p. 83)**	Symposium: Uveitis *Symposium : Uvéite* **(p. 85)**	Retina III *Rétine III* **(p. 86)**	Cornea II *Cornée II* **(p. 87)**	TCOS *LSCO* **(p. 70)**		

SYMPOSIUM: Women in ophthalmology

SYMPOSIUM : Les femmes et l'ophtalmologie

0630 – 0800 • Les Saisons, Ottawa Westin Hotel



LEARNING OBJECTIVES

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

- Develop mentorship and camaraderie among women in ophthalmology
- Promote women in leadership roles in various organizations and meetings
- Assess work-life issues unique to women in the field of medicine

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Établir des liens de mentorat et de camaraderie avec des femmes en ophtalmologie
- Inciter des femmes à assumer des rôles de direction dans divers organismes et pour divers événements
- Évaluer les questions de conciliation travail-vie personnelle propres aux femmes en médecine

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD

MODERATOR | ANIMATRICE

Yvonne M. Buys, MD

0630 **Breakfast and registration**

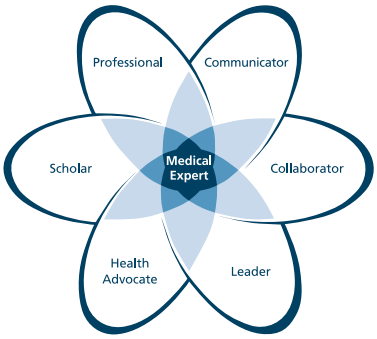
0700 One woman negotiates residency to retirement • *Lisa Brothers Arbisser*

0800 Adjourn

CURRENT CONCEPTS III

NOTIONS COURANTES III

0800 – 1000 • Canada Hall I, Shaw Centre



CanMEDS

LEARNING OBJECTIVES

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

- Integrate techniques for managing complications of cataract surgery
- Describe new treatments for uveitis
- Differentiate diseases of the vitreomacular interface
- Describe approach to corneal ectasia

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer des techniques de gestion des complications des chirurgies de la cataracte
- Décrire les nouveaux traitements de l'uvéite
- Distinguer les maladies de l'interface vitréomaculaire
- Décrire la façon de traiter l'ectasie cornéenne

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD
Lourdes Arellanes, MD
Jay S. Duker, MD
Rajesh Fogla, MD, FRCS
Enrique O. Graue-Hernández
Carl D. Regillo, MD, FACS
Michael E. Snyder, MD

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
James Whelan, MD

0800 Introductions • *Yvonne M. Buys*

0805 Pupils: Too big, too small or not at all • *Michael E. Snyder*

0815 Pars plana vitrectomy for the anterior segment surgeon • *Lisa Brothers Arbisser*

0825 Management of retained lens material: Optimizing outcomes • *Carl D. Regillo*

0835 Discussion

0845 **CJO Lecture:** Pathogenesis and classification of disease of the vitreomacular interface • *Jay S. Duker*

0905 Discussion

0910 New infectious agents in uveitis • *Lourdes Arellanes*

0920 Discussion

0925 Managing corneal ectasia – Current approach • *Rajesh Fogla*

0935 Discussion

0940 Head to head: SMILE vs. LASIK • *Enrique O. Graue-Hernández*

0950 Discussion

1000 Adjourn

SCIENTIFIC SESSION | SÉANCE SCIENTIFIQUE

0755 – 1715 • Room 204, Shaw Centre

THE CANADIAN ORTHOPTIC SOCIETY | SOCIÉTÉ CANADIENNE D'ORTHOPTIQUE

LEARNING OBJECTIVES

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

- Discuss recent findings derived from clinical research regarding amblyopia and amblyopia-related deficits
- Review inherited eye conditions and understand when electroretinogram (ERG) testing is warranted and be better able to interpret results
- Incorporate knowledge gained from complex pediatric ophthalmology and strabismus case studies into daily clinical practice including how to appropriately determine prism power required in those with diplopia
- Discuss interesting case findings as presented and apply to clinical practice
- Recognize auricular anomalies in patients presenting with oculomotor abnormalities

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Discuter des travaux récents découlant de recherches cliniques portant sur l'amblyopie et les déficiences liées à l'amblyopie
- Passer en revue les maladies congénitales de l'œil, savoir à quel moment il convient de procéder à un électrorétinogramme, et mieux interpréter les résultats
- Intégrer des connaissances tirées d'études de cas complexes d'ophtalmologie et de strabisme chez les enfants à leur pratique quotidienne, notamment comment déterminer la bonne puissance prismatique dans les cas de diplopie
- Discuter de résultats intéressants et les appliquer à leur pratique clinique
- Reconnaître les anomalies auriculaires chez les patients présentant des anomalies oculomotrices

FACULTY | CORPS PROFESSORAL

Michael O'Connor MD, FRCSC,
Assistant Professor of Ophthalmology,
Children's Hospital of Eastern Ontario,
University of Ottawa Eye Institute

MODERATORS | ANIMATEURS

Trena Beer, OC(C)
Nichole Pereira, OC(C)

0755 Opening remarks • *Sarah Whitecross*

0800 **John Pratt-Johnson Lecture:** "Mechanical" strabismus in adults: Concepts, diagnosis, and management • *Michael D. O'Connor*

0845 Case presentation of a recurrent pediatric ocular muscle paralysis • *Maria Pryde*

0900 Determining the appropriate fresnel for adults with diplopia • *Cathy Dykeman*

0915 Ocular motor findings in patients with auricular anomalies • *Stephen P. Christiansen*

0930 Discussion, Q & A

1000 **Break**

1045 Panel discussion: Difficult cases in strabismus and pediatric ophthalmology • *Moderator: Stephen P. Kraft • Panelists: Michael D. O'Connor, Stephen P. Christiansen, Linda Colpa, Darren Oystreck*

1215 **Lunch**

1330 Graduate presentations

1345 Is the rapid visual recovery in the amblyopic eye of kittens following a short period of darkness guided by vision in the non-deprived eye? • *Philip Bobbie-Ansah*

1400 Visual attention deficits in amblyopia using visual search paradigms • *Linda Colpa*

1415 Vision therapy: Observations and approaches to managing patients and their families • *Annick V. Fournier*

1430 **TCOS student scholarship paper winner:** What are congenital cranial dysinnervation disorders? A literature review • *Rebecca Fels*

1445 Discussion, Q & A

1500 **Break**

1545 Acute neuroretinitis in a 10-year old girl • *Lianne Esmores*

1600 NAT or Zebra? • *Nichole Pereira, Shehla Rubab*

1615 Basics of electrophysiology and practical aspects • *Ajoy Vincent*

1645 A prospective observational study of ocular comorbidities in children with NAS: Study design and one-year outcomes • *Jennifer Lambert*

1700 Discussion, Q & A

1715 Adjourn

APP TIP:

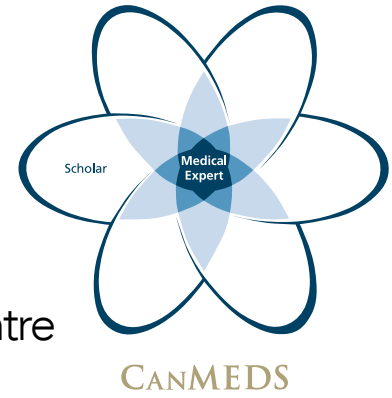
Create your own itinerary and take notes during the sessions by creating a user account.

ASTUCE :

Créez votre compte pour établir votre propre horaire et prendre des notes durant les séances

SYMPOSIUM: Refractive cornea surgery

SYMPOSIUM : Chirurgie réfractive de la cornée



We're not in Kansas anymore: The new landscape of refractive thinking | Nous ne sommes plus en terrain connu : le nouveau paysage de la chirurgie réfractive

1045 – 1215 • Canada Hall I, Shaw Centre

CANADIAN CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY SOCIETY | SOCIÉTÉ CANADIENNE DE LA CORNÉE, DES MALADIES EXTERNES ET DE LA CHIRURGIE RÉFRACTIVE

LEARNING OBJECTIVES

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

- Describe how managing aberrations can affect refractive outcomes
- Demonstrate the increasing refractive role in therapeutic anterior segment procedures

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire comment les aberrations influencent les résultats des chirurgies réfractives
- Démontrer le rôle croissant des opérations du segment antérieur sur la réfraction

CHAIR | PRÉSIDENT
Kashif Baig, MD

MODERATOR | ANIMATEUR
Guillermo Rocha, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Rajesh Fogla MD, FRCS
Enrique O. Graue-Hernández, MD, MSc

PANELISTS | PANÉLISTES
Ahmed Al-Ghoul, MD
Simon Holland, MD

1045 Introduction • *Guillermo Rocha*

1047 Current opinions on corrective refractive surgery • ***Helen Chung***, *Emi Sanders, Jamie Bhamra*

1054 **Ron Jans Award:** Optical aberrations in phototherapeutic keratectomy vs. manual epithelial debridement for corneal collagen cross-linking in keratoconus • ***Harrish Nithianandan***, *Yelin Yang, Parnian Arjmand, George Mintsioulis, Setareh Ziai, Kashif Baig*

1101 Discussion

1105 Understanding and managing anterior and posterior corneal astigmatism • *Rajesh Fogla*

1115 Discussion

1119 Spectrum of options available in 2016 to manage presbyopia • *Enrique O. Graue-Hernández*

1129 Discussion

1133 Using high order aberrations in planning for refractive outcomes • *Guillermo Rocha*

1143 Discussion

1147 Differences in corneal spherical aberrations in phakic fuchs' endothelial corneal dystrophy patients compared to normal phakic patients • ***Amaka Eneh***, *Delan Jinapriya, Stephanie Baxter*

1154 One year outcomes of retropupillary iris-claw artisan intraocular lens in patients with inadequate capsular support • ***Nima Noordeh***, *Yelin Yang, Esteban Santiago, Setareh Ziai, Kashif Baig*

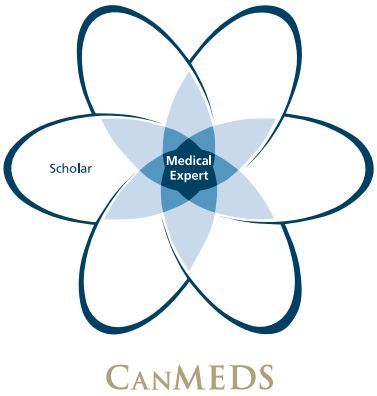
1201 The first 250 eyes of descemet membrane endothelial keratoplasty, single centre experience • ***Murad Alobthani***, *Mahmood Showail, Mario Saldanha, Zach Ashkenazy, Armand Borovik, David Rootman*

1208 Discussion

1215 Closing remarks

WORKSHOP: Imaging in glaucoma – A practical workshop on OCT interpretation

ATELIER : Glaucome – Atelier pratique sur l'interprétation des TCO



1045 – 1215 • Room 206, Shaw Centre

CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME

LEARNING OBJECTIVES

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

- Interpret the Optic Nerve and Retinal Nerve Fiber Layer (RNFL) printout
- Differentiate between false positives, false negatives and true positives in optic nerve imaging
- Apply different techniques for scleral spur identification in anterior segment imaging
- Compare findings of different etiologies of angle closure on anterior segment imaging

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Interpréter les résultats des tests d'imagerie du nerf optique et de la couche des fibres nerveuses rétiniennes
- Distinguer les faux positifs, les faux négatifs et les vrais positifs en imagerie du nerf optique
- Appliquer différentes techniques d'identification de l'éperon scléral en imagerie du segment antérieur
- Comparer les images du segment antérieur des différentes étiologies de la fermeture de l'angle

CHAIRS | PRÉSIDENTS

Bryce Ford, MD
Lesya Shuba, MD

MODERATOR | ANIMATEUR

Hady Saheb, MD

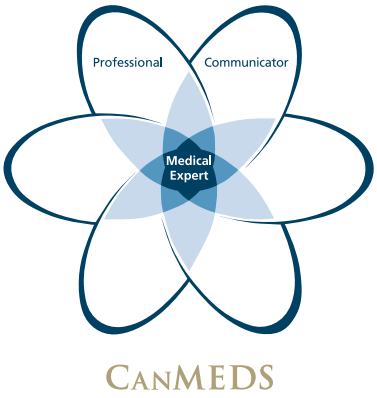
FACULTY | CORPS PROFESSORAL

Marcelo Nicolela, MD
Devesh Varma, MD

During this interactive workshop, imaging experts will review advantages and disadvantages of optic nerve imaging versus optic nerve photography. An imaging printout as well as progression analysis will be thoroughly reviewed with a focus on pearls and common pitfalls. Anterior segment imaging will also be reviewed, with a focus on angle closure and scleral spur detection.

Dans cet atelier interactif, des spécialistes de l'imagerie passeront en revue les avantages et inconvénients de l'imagerie du nerf optique par rapport à ceux de la photographie. Ils examineront attentivement un rapport d'imagerie ainsi qu'une analyse de la progression, en insistant sur les bons coups et les pièges courants. Ils aborderont également l'imagerie du segment antérieur en insistant particulièrement sur la fermeture d'angle et la détection de l'éperon scléral.

SYMPOSIUM: Cataract surgery – Ophthalmic viscosurgical devices (OVD), new innovations, and using them better in cataract and other surgeries



SYMPOSIUM : Chirurgie de la cataracte – Dispositifs ophtalmiques viscoélastiques (DVO), innovations et leur utilisation optimale dans les chirurgies de la cataracte et autres interventions

1045 – 1215 • Room 203, Shaw Centre

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE

LEARNING OBJECTIVES

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

- Assess the different properties of OVDs marketed in Canada and elsewhere
- Determine which OVD class will act optimally in specific proposed surgeries
- Improve surgical techniques
- Describe the rheology of surgeries
- Manage and prevent surgical complications
- Discuss OVD descriptors such as zero-shear viscosity and cohesion-dispersion index
- Recommend an optimal OVD, or class, using descriptors
- Describe how rheology is used to design new OVDs for future procedures

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les propriétés des DVO commercialisés au Canada et ailleurs
- Déterminer quel type de DVO sera optimal dans certains types d'intervention
- Améliorer les techniques chirurgicales
- Décrire la rhéologie des interventions
- Gérer et prévenir les complications chirurgicales
- Discuter les propriétés des DVO comme la viscosité de cisaillement et l'indice de cohésion-dispersion
- Recommander un DVO optimal, ou une catégorie de DVO, suivant leurs propriétés
- Décrire de quelle façon la rhéologie aide à créer de nouveaux DVO pour de nouvelles chirurgies

CHAIRS | PRÉSIDENTS

Jit Gohill, MD
Devesh Varma, MD

FACULTY | CORPS PROFESSORAL

Steve A. Arshinoff, MD, FRCSC

Optimal OVD use is fundamental for good surgical outcomes. The session will consist of a slide and video presentation of rheologic properties, classification, and varied utilization techniques for different ophthalmic viscosurgical device (OVD) types. New OVDs, recent discoveries, and principles and techniques to prevent and manage complications and postoperative IOP spikes will be covered. Ample opportunity for discussion will be available. At the conclusion of this course attendees will have gained insight into the rheological and surgical behavior, choice and optimal use of OVDs, which will enhance their skills in surgery and on management of complications.

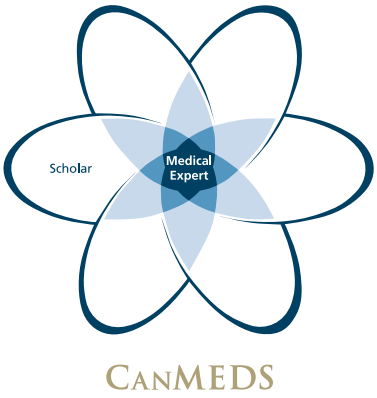
Le choix du DVO optimal est essentiel à l'obtention de bons résultats chirurgicaux. Dans ce cours, les participants verront un diaporama et une vidéo des propriétés rhéologiques, de la classification et de diverses techniques d'utilisation de plusieurs types de DVO. Les nouveaux DVO, les dernières découvertes, et les principes et techniques de prévention et de gestion des complications et des pointes de pression intraoculaire postopératoires seront au nombre des sujets abordés. Les participants auront amplement le temps de discuter et de poser des questions. À la fin de ce cours, les participants auront acquis des connaissances sur le comportement rhéologique et chirurgical, ainsi que sur le choix et l'utilisation optimale des DVO, ce qui leur permettra d'améliorer leurs compétences en chirurgie et en gestion des complications.

WORKSHOP: Retinal OCT

ATELIER: TCO Rétinienne

1045 – 1215 • Room 202, Shaw Centre

CANADIAN RETINA SOCIETY
SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Describe the basic principle of the working of the OCT, including the latest advance in OCT such as Swept Source OCT, OCT angiography...etc.
- Interpret the OCT appearance of common macular diseases, such as AMD, diabetic macular, myopia, retinal vein occlusion and vitreoretinal interface diseases including epimacular membrane, macular hole vs. pseudomacular hole, and the latest international classification of vitreomacular traction syndrome
- Recognize the common and important artifacts of OCT to avoid misinterpretation

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les principes de base du fonctionnement de la TCO, notamment les dernières percées en TCO (TCO à source balayée, angiographie-TCO, etc.)
- Interpréter les manifestations, à la TCO, de maladies maculaires courantes comme la DMLA, l'œdème maculaire diabétique, la myopie, l'occlusion veineuse rétinienne et les maladies de l'interface vitréo-rétinienne comme la membrane épimaculaire, le trou maculaire ou le trou pseudomaculaire, et la dernière classification internationale du syndrome de traction vitréo-maculaire
- Reconnaître les « artifices » courants et importants de la TCO pour éviter les mauvaises interprétations

FACULTY | CORPS PROFESSORAL

Amin Kherani, MD
Simon Lam, MD
Wai-Ching Lam, MD
Pear Pongsachareonnont, MD
Arif Samad, MD

MODERATOR | ANIMATEUR

Wai-Ching Lam, MD

1045 Introduction and pre-test questionnaires • *Wai-Ching Lam*

1050 Basic principle of OCT, including the latest technology • *Amin Kherani*

1105 Vitreoretinal interface diseases: Epimacular membrane, macular hole, lamellar macular hole, pseudomacular hole, vitreomacular traction • *Arif Samad*

1125 Miscellaneous macular conditions: Myopia, AMD, DME, RVO • *Simon Lam*

1145 Latest advances in OCT, OCT angiography • *Pear Pongsachareonnont*

1205 Wrap-up with post-test questionnaires • *Wai-Ching Lam*

1215 Adjourn

SKILLS TRANSFER COURSE: Oculoplastics for the comprehensive ophthalmologist

COURS DE TRANSFERT DE COMPÉTENCES : Oculoplastie pour l'ophtalmologiste généraliste

1030 – 1300

Offsite: University of Ottawa Skills and Simulation Centre (uOSSC), Civic Campus – Participants are responsible for their own transportation

Hors site : Ce cours aura lieu au Centre de compétences et de simulation de l'Université d'Ottawa (CCSuO) – Les participants doivent organiser leur propre déplacement

LEARNING OBJECTIVES

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

- Describe ophthalmic surgical procedures
- Participate in cadaver surgical procedure techniques
- Understand common Ophthalmic Plastic and Reconstructive surgical principles

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les procédures chirurgicales ophtalmiques
- Participer aux techniques de procédures chirurgicales sur un cadavre
- Comprendre les principes chirurgicaux courants en chirurgie ophtalmique

STC CHAIR | PRÉSIDENT DES CTC

Delan Jinapriya, MD

COURSE DIRECTOR | DIRECTEUR DU COURS

Steven Gilberg, MD

FACULTY | CORPS PROFESSORAL

Michel Belliveau, MD
Dena Hammoudi, MD
David Jordan, MD
Femida Kherani, MD
Lucie Khouri, MD
Vladimir Kratky, MD
Norman Mainville, MD
Hector McDonald, MD
Yvonne Molgat, MD
Adnan Pirbhai, MD

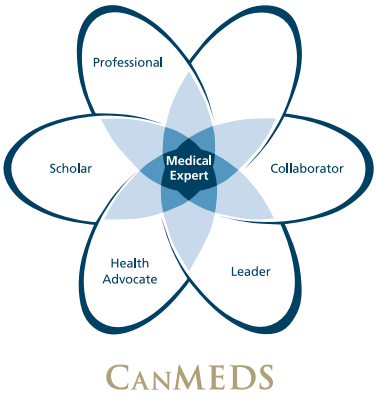
This course is designed for comprehensive ophthalmologists who want to review common surgical techniques in oculoplastics such as the lateral tarsal strip procedure for ectropion/entropion repair, wedge resection for excisional biopsy and lid reconstruction, punctoplasty and canalicular repair. Surgical grade cadavers will be used to review lid and lacrimal anatomy and to review basic principles for each technique. Attendees will have the opportunity to obtain hands-on experience to practice these techniques under the guidance of oculoplastic-trained instructors. (Surgical loupes highly recommended)

Ce cours est destiné à l'ophtalmologiste généraliste qui souhaite revoir des techniques chirurgicales courantes en oculoplastie, telles que le prélèvement d'une bande tarsienne latérale pour traiter l'ectropion ou l'entropion, la résection cunéiforme pour la biopsie-exérèse ainsi que la reconstruction de la paupière, la ponctoplastie et la réparation canaliculaire. Des cadavres pour l'enseignement de la chirurgie permettront de passer en revue l'anatomie des paupières et des voies lacrymales ainsi que les principes de base de chacune des techniques. Les participants auront l'occasion d'acquérir une expérience pratique auprès de formateurs en oculoplastie. (Le port de loupes chirurgicales est fortement recommandé)

CATARACT I – No bag, now what?
CATARACTE I – Fini les sacs?

1330 – 1500 • Canada Hall I, Shaw Centre

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Identify the current surgical practice patterns of Canadian ophthalmologists.
- Recognize cataract surgeon demographics and how it impacts your practice
- Recognize minor nuances of surgery and implement a plan to avoid surgical complications
- Apply techniques to implant an intraocular lens in a patient with no capsule bag

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les pratiques chirurgicales actuelles des ophtalmologistes canadiens.
- Reconnaître le profil démographique des chirurgiens de la cataracte et en quoi cette information influence leur pratique
- Reconnaître les nuances mineures entre les interventions et adopter un plan pour éviter les complications chirurgicales
- Appliquer des techniques d'implantation de lentilles intraoculaires chez un patient sans sac capsulaire

CHAIRS | PRÉSIDENTS

Jit Gohill, MD
Devesh Varma, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lisa Brothers Arbisser, MD
Michael E. Snyder, MD

FACULTY | CORPS PROFESSORAL

Kashif Baig, MD
Michael Butler, MD
Diamond Tam, MD

MODERATORS | ANIMATEURS

Jamie Bhamra, MD
Jit Gohill, MD

1330 Visual outcomes and complications of fibrin glue-assisted sutureless intrascleral haptic fixation of posterior chamber intraocular lenses: A Canadian multicenter study • ***Jason Kwok***, *Xavier M. Campos-Möller, Moness Masri, Eduardo Navajas, Efrem D. Mandelcorn, Rajeev Muni, Talal Alabduljalil, Kunyong Xu, Michael Mak, Iqbal Ike K. Ahmed*

1333 Declining surgical activity among new graduates and the gender gap: The case of cataract surgery in Ontario • ***Jonathan A. Micieli***, *Graham E. Trope, Yvonne M. Buys*

1336 Hemorrhagic occlusive retinal vasculitis post intracameral vancomycin • *Michael Butler*

1338 Discussion

1340 Nuances for safer surgery and complication avoidance • *Lisa Brothers Arbisser*

1355 Discussion

1400 Practice patterns of the Canadian Ophthalmological Society members in cataract surgery – Survey 2016 • *Lindsay Ong-Tone*

1403 L-shaped pocket incision for implantation and explantation of 6 mm optic IOLs, through a 3.00 mm corneal incision • *George H. Beiko*

1406 Discussion

1436 Glued instrascleral haptic fixation IOLs • *Lisa Brothers Arbisserr*

1420 Scleral sutured IOLs • *Michael E. Snyder*

1430 Iris sutured IOLs • *Diamond Tam*

1439 Artisan and ACIOLs • *Kashif Baig*

1448 Discussion

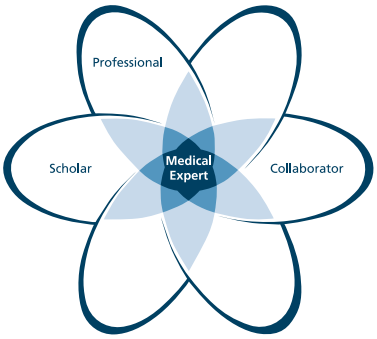
1500 Adjourn

UVEITIS – What's new in uveitis?

UVÉITE : Quoi de neuf dans le domaine?

1330 – 1500 • Room 206, Shaw Centre

CANADIAN UVEITIS SOCIETY | SOCIÉTÉ CANADIENNE DE L'UVÉITE



CanMEDS

LEARNING OBJECTIVES

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

- Assess the need of immunosuppression in severe chronic uveitis
- Describe the possible complication of immunosuppressive treatment in uveitis
- Differentiate infectious and non-infectious uveitis
- Describe new modalities of treatment in uveitis

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer la nécessité de l'immunosuppression dans les cas graves d'uvéite chronique
- Décrire les complications possibles de traitements immunosuppresseurs dans les cas d'uvéite
- Faire la distinction entre une uvéite infectieuse et une uvéite non infectieuse
- Décrire les nouvelles modalités de traitement de l'uvéite

CHAIR | PRÉSIDENT

Jean Deschênes, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lourdes Arellanes, MD

FACULTY | CORPS PROFESSORAL

Marie-Josée Aubin, MD
Éric Fortin, MD
Chloe Gottlieb, MD

MODERATORS | ANIMATEURS

Jean Deschênes, MD
Marie-Josée Aubin, MD

1330 Immunosuppresive therapy in acute VKH disease • *Lourdes Arellanes*

1340 Evidence for using immunosuppressive treatments when treating Idiopathic non-infectious uveitis: A systematic review and meta-analysis • ***William Hodge***, *Hargurinder Singh, Omar Akhtar, Francie F. Si*

1350 Complications of immunosuppression in pediatric uveitis: A ten-year retrospective study • *Marwan Elfekhfakh, Kinda Najem, Charles-Edouard Giguère,* ***Éric Fortin***

1400 Ocular syphilis: Case series (2000-2009) from two tertiary-care centers in Montreal? • *Kinda Najem, Laurence Jaworski, Annie-Claude Labbé, Claude Fortin, Éric Fortin, Marie-Lyne Bélair, Bouchra Serhir,* ***Marie-Josée Aubin***

1415 Wait times for uveitis consultations and assessment of the content of uveitis referral letters • ***Kay Lam***, *Panos Christakis, Amandeep S. Rai, Theodore Christakis, Nupura Bakshi, Efrem D. Mandelcorn, Theodore Rabinovitch, Radha Kohly, Larissa A. Derzko-Dzulynsky*

1430 A review of Ozurdex for the treatment of intraocular inflammation • *Chloe Gottlieb*

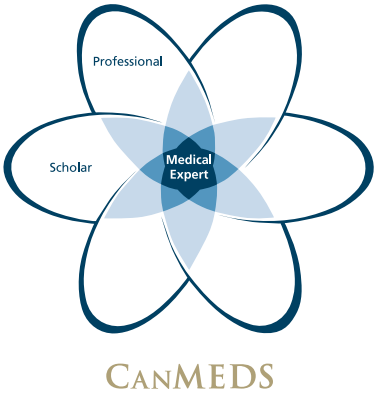
1440 Panel discussion and closing remarks

1500 Adjourn

RETINA II | RÉTINE II

1330 – 1500 • Room 202, Shaw Centre

CANADIAN RETINA SOCIETY
SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Apply and integrate new SD-OCT angiography techniques into your medical retina practice
- Describe the clinical findings in choroidermia and demonstrate an understanding of the new treatments for this inherited disease
- Describe the risk of vitreous hemorrhage associated with new anticoagulants

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Appliquer et intégrer de nouvelles techniques d'angiographie TCO-DS à leur pratique de spécialistes de la rétine
- Décrire les résultats cliniques se rapportant à la choroïdérémie et expliquer les nouvelles façons de traiter cette maladie congénitale
- Décrire les risques d'hémorragie vitréenne liés aux nouveaux anticoagulants

CHAIRS | PRÉSIDENTS

Bernard Hurley, MD
James Whelan, MD

MODERATORS | ANIMATEURS

Netan Choudhry, MD
Arif Samad, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Jay S. Duker, MD

1330 Introduction and award presentation • *Netan Choudhry*

1335 What's new in SD OCT – OCTA and more • *Jay S. Duker*

1405 **3rd Prize, COS Award for Excellence in Ophthalmic Research**

3ème prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie

Choroideremia is a systemic disease with lymphocyte crystals and plasma lipid and RBC membrane abnormalities
• ***Alice Yang Zhang***, *Naveen Mysore, Hojatollah Vali, Jamie Koenekoop, Sang Ni Cao, Shen Li, Huanan Ren, Vafa Keser, Irma Lopez, Sorath Siddiqui, Ayesha Khan, Kelly Sears, Jim Dixon, Jeremy Schwartzentruber, Jacek Majewski, Nancy Braverman, Robert Koenekoop*

1410 Q & A

1412 **1st Prize, COS Award for Excellence in Ophthalmic Research**

1er prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie

The role of VEGF-A in exogenous endophthalmitis: A potential target for immunomodulation • ***Mark E. Seamone***, Darrell Lewis, Ian Haidl, Daniel O'Brien, Rishi Gupta, John Dickinson, Jean Marshall, Alan Cruess

1417 Q & A

1419 Ocular gene therapy for choroideremia: The Alberta experience • **Ian MacDonald**, *Stephanie Chan, Rizwan Somani, Matthew Tennant, Ioannis Dimopoulos*

1424 Q & A

1426 Microperimetry and early diabetic retinopathy • ***Samuel N. Markowitz***, *Mark Mandelcorn, Nupura Bakshi, Michelle Markowitz*

1431 Q & A

1433 Risk of intraocular hemorrhage with new oral anticoagulants • ***George Talany***, *Michael Guo, Mahyar Etminan*

1438 Q & A

1440 A novel spectral domain optical coherence tomography (SD-OCT) classification scheme for the differential diagnosis of macular edema of diabetic and retinal veno-occlusive origin • ***Mikel Mikhail***, *Razek Coussa, David Lederer*

1445 Q & A

1447 Discussion

1500 Adjourn

APP TIP:

To view a list of sessions by presenter, click on the presenter's name under the Guest Speaker or Presenters tab.

ASTUCE :

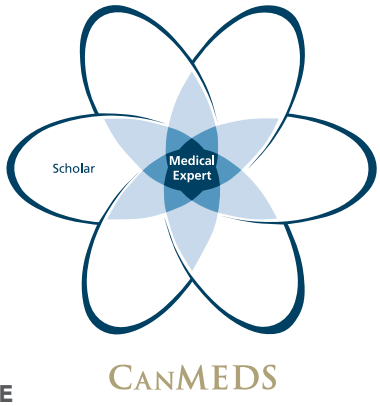
Pour voir une liste des sessions par conférencier, choisissez le nom voulu à l'option Conférenciers invités du menu de navigation.

CORNEA I – Do. Or do not. There is no try: Surgical pearls from Jedi Masters

CORNÉE I – Le faire… ou pas. Aucun essai permis : perles chirurgicales de maîtres Jedi

1330 – 1500 • Room 203, Shaw Centre

CANADIAN CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY SOCIETY | SOCIÉTÉ CANADIENNE DE LA CORNÉE, DES MALADIES EXTERNES ET DE LA CHIRURGIE RÉFRACTIVE



LEARNING OBJECTIVES

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

- Integrate corneal surgical pearls into their practice
- Describe learning points in corneal procedures

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer ces « perles chirurgicales » à leur pratique
- Décrire les points à retenir par rapport aux techniques de chirurgie de la cornée

CHAIR | PRÉSIDENT

Kashif Baig, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Rajesh Fogla, MD, FRCS
Enrique O. Graue-Hernández, MD, MSc

MODERATOR | ANIMATRICE

Setareh Ziai, MD

PANELISTS | PANÉLISTES

Marie-Ève Légaré
Joshua Teichman, MD

FACULTY | CORPS PROFESSORAL

Kashif Baig, MD
Stephen Brodovsky, MD
Mona Harissi-Dagher, MD
Kamiar Mireskandari, MD
Louis Racine, MD
Neera Singal, MD
Allan Slomovic, MD

1330 Introduction • *Setareh Ziai*

1332 My top pearls for pterygium surgery • *Armand Borovik, Allan Slomovic*

1338 My top pearls for corneal tattoos • *Setareh Ziai*

1344 Discussion

1349 My top pearls for penetrating keratoplasty • *Stephen Brodovsky*

1355 My top pearls for pediatric transplants • *Kamiar Mireskandari*

1401 Discussion

1406 My top pearls for DALK • *Rajesh Fogla*

1412 My top pearls for DMEK • *Neera Singal*

1418 Discussion

1423 My top pearls for combination CXL/ excimer treatments • *Louis Racine*

1429 My top pearls for teaching refractive surgery to trainees • *Enrique O. Graue-Hernández*

1435 Discussion

1440 My top pearls for KPro • *Mona Harissi-Dagher*

1446 My top pearls for intracameral procedures at the slit lamp • *Kashif Baig*

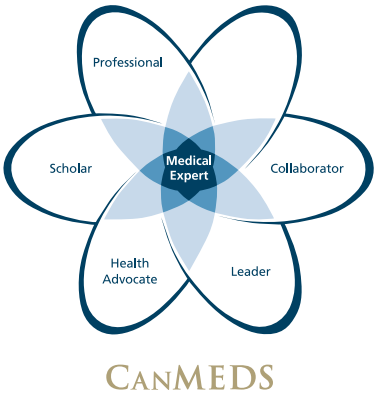
1452 Discussion

1500 Closing remarks

CATARACT II – Help – Where are the zonules?

CATARACTE II – À l'aide! – Où sont les zonules?

1545 – 1715 • Canada Hall I, Shaw Centre



CATARACT SURGERY | CHIRURGIE DE LA CATARACTE

LEARNING OBJECTIVES

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

- Predict and plan surgical ergonomics to avoid surgical complications
- Debate the ethics and efficacy of femtosecond laser-assisted cataract surgery
- Evaluate whether to implement FLACS into your surgical practice
- Describe zonulopathy treatment techniques

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Prévoir et planifier l'ergonomie chirurgicale pour éviter les complications pendant les interventions
- Faire valoir l'éthique et l'efficacité de la chirurgie de la cataracte au laser femtoseconde
- Évaluer s'il y a lieu d'adopter la chirurgie de la cataracte au laser femtoseconde à leur pratique
- Décrire les techniques de traitement de la zonulopathie

CHAIRS | PRÉSIDENTS

Jit Gohill, MD
Devesh Varma, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Michael E. Snyder, MD

FACULTY | CORPS PROFESSORAL

Michael Dorey, MD
Sébastien Gagné, MD
Garfield Miller, MD
Devesh Varma, MD

MODERATORS | ANIMATEURS

Toby Chan, MD
Lindsay Ong-Tone, MD

1545 Refractive outcomes in manual vs. femtosecond laser-assisted cataract surgery: A single-center retrospective cohort analysis of 1839 eyes • *Thomas A. Berk, Matthew B. Schlenker,* ***Xavier M. Campos-Möller****, Iqbal Ike K. Ahmed*

1548 Efficacy and safety of femtosecond laser-assisted cataract surgery compared to manual cataract surgery: A meta-analysis of 12549 eyes • ***Marko Popovic****, Xavier M. Campos-Möller, Matthew B. Schlenker, Iqbal Ike K. Ahmed*

1551 Ethical considerations in the development and adoption of surgical innovations: The case of FLACS • *Chryssa McAlister*

1554 Discussion

1557 Ergonomics of cataract surgery; why should I care? How can we prevent complications for the surgeon? • *Michael E. Snyder*

CONTINUED ON PAGE 84

1612 Discussion

1617 Comparison of holliday 2 toric calculator with barrett toric calculator • ***Jamie Bhamra, Alison Maddigan***, *Ahmed Al-Ghoul*

1620 Corneal power measurement for toric IOL calculations: Posterior cylinder estimation versus direct measurement with 2 technologies • ***Majd Mustafa***, *Xavier M. Campos-Möller, Iqbal Ike K. Ahmed*

1623 Visual, functional and cosmetic results of pupilloplasty and iris repair: A retrospective review • ***Amrit S. Rai***, *Xavier M. Campos-Möller, Iqbal Ike K. Ahmed*

1626 Surgical outcomes and complications with the use of capsular tension ring during cataract surgery: A meta-analysis and systematic review • ***Bo Li***, *Monali Malvankar, Yongjun Wang, Cindy Hutnik*

1629 Discussion

Zonulopathy Rapid Fire

1632 Rhexis on a mobile lens • *Michael Dorey*

1640 CTR early, late and in the middle • *Garfield Miller*

1648 Capsule hooks • *Devesh Varma*

1656 CTS • *Sébastien Gagné*

1704 Discussion

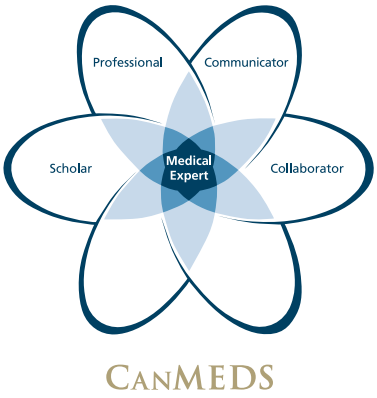
1715 Adjourn

SYMPOSIUM: Special considerations in uveitis

SYMPOSIUM : Considérations propres à l'uvéite

1545 – 1715 • Room 206, Shaw Centre

CANADIAN UVEITIS SOCIETY | SOCIÉTÉ CANADIENNE DE L'UVÉITE



LEARNING OBJECTIVES

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

- Assess the need for biologic treatment in severe uveitis
- Apply diagnosis and treatment of glaucoma associated with uveitis
- Describe the implication of cataract surgery in uveitis
- Apply diagnostic ultrasound in uveitis

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer la nécessité d'un traitement biologique dans les cas graves d'uvéite
- Appliquer un diagnostic et un traitement du glaucome associé à une uvéite
- Décrire les implications de la chirurgie de la cataracte sur une uvéite
- Utiliser l'ultrasonoscopie dans les cas d'uvéite

CHAIR | PRÉSIDENT

Jean Deschênes, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Lourdes Arellanes, MD

FACULTY | CORPS PROFESSORAL

Jean Deschênes, MD
Éric Fortin, MD
Chloe Gottlieb, MD
Amin Kherani, MD
Karin Oliver, MD
Nasrin Tehrani, MD
Geoff Williams, MD

MODERATORS | ANIMATEURS

Jean Deschênes, MD
Chloe Gottlieb, MD

1545 Current status of anti-TNF therapy for uveitis • *Chloe Gottlieb*

1555 Uveitis in children • *Lourdes Arellanes*

1605 Glaucoma in paediatric uveitis patients • *Nasrin Tehrani*

1615 Pre and post-operative considerations in uveitis patients with cataract • *Karin Oliver*

1625 Diagnosing rare infectious causes of uveitis in Canada: HTLV-1 and others • *Failal Malik, Annie Linh Thao Ho, Claire Béliveau, Marie-Josée Aubin, Marie-Lyne Bélair,* ***Éric Fortin***

1635 UBM in uveitis • *Jean Deschênes*

1645 Outcomes of rituximab in ocular inflammatory • ***Amin Kherani****, Olga Ziouzina, Geoff Williams*

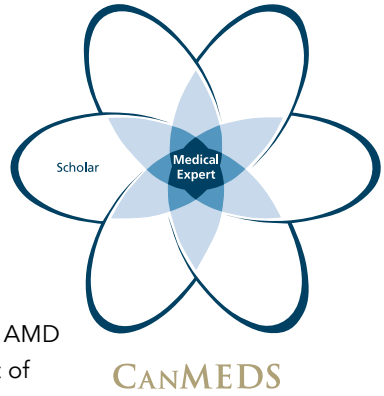
1655 Panel discussion and closing remarks

1715 Adjourn

RETINA III | RÉTINE III

1545 – 1715 • Room 202, Shaw Centre

CANADIAN RETINA SOCIETY | SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Describe the current choices available for the treatment of Wet AMD
- Integrate prone positioning into your practice for the treatment of retinal detachments
- Describe the economic implications of treatments for retinal detachments
- Compare and then assess techniques to reduce anxiety and improve sterile delivery of Intravitreal injections

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire leurs choix actuels pour traiter la DMLA humide
- Reconnaître le pour et le contre de la vitrectomie de calibre 27 dans divers contextes chirurgicaux
- Intégrer la position ventrale pour le traitement des décollements de rétine
- Décrire les implications financières du traitement des décollements de rétine

CHAIRS | PRÉSIDENTS

Bernard Hurley, MD
James Whelan, MD

MODERATORS | ANIMATEURS

James Whelan, MD
Deepa Yoganathan, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Jay S. Duker, MD

1545 Current wet AMD therapies – How to choose? • *Jay S. Duker*

1600 Discussion

1605 Cost comparison of scleral buckle versus vitrectomy in the treatment of rhegmatogenous retinal detachment in Quebec, Canada • ***Elizabeth Fortin***, *Benoit Grenier*

1610 Q & A

1612 Evaluation of the RETeval 30 Hz flicker ERG in the assessment of diabetic retinopathy • ***Stuart Coupland***, *Vanja Popovic, Lynca Kantungane, John Hamilton, Alison Sifton, Merem Faris*

1617 Q & A

1619 Primary rhegmatogenous retinal detachment with inferior retinal breaks: 1-day postoperative prone positioning results • ***Radwan Ajlan***, *Jordan Isenberg, Ghassan Cordahi, Renaud Duval, Sébastien Olivier, Flavio Rezende*

1624 Q & A

1626 Outcomes of intravitreal injections performed with a lid splinting eyelid retraction technique: A minimized sterile approach • ***Monique Munro***, *Jessica Ruzicki, Anna Ells, Michael Fielden, Amin Kherani, Patrick Mitchell, Geoff Williams, Feisal Adatia*

1631 Q & A

1633 A visual approach to reducing anxiety and improving knowledge transfer for intravitreal injections • ***Wai-Ching Lam***, *Crystal Cheung*

1638 Q & A

1640 A pilot study of the effect of intravitreal dexamethasone implant (700 micrograms) on diabetic macular edema after cataract surgery • ***Michael Brent***, *Pilar Calvo, Fadwa Al Adel, Wantanee Dangboon, Antonio Ferreras*

1645 Q & A

1647 Results of half dose photodynamic therapy for chronic central serous retinopathy • **Nadeem Dhirani**, Sohel Somani

1652 Q & A

1654 Investigating the structural and functional changes to the retina following PRP in diabetic retinopathy patients • *Richie Filek*

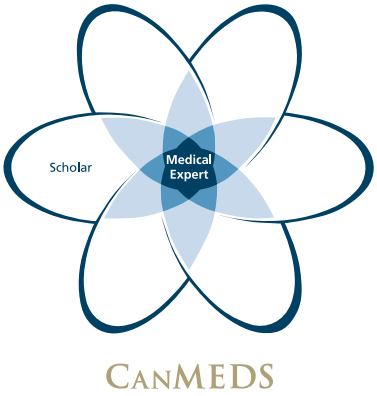
1659 Q & A

1701 Discussion

1715 Adjourn

CORNEA II – Houston, we have a problem: Approaches to common corneal disorders

CORNÉE II – Houston, nous avons un problème : approches diverses à des maladies courantes de la cornée



1545 – 1715 • Room 203, Shaw Centre

CANADIAN CORNEA, EXTERNAL DISEASE & REFRACTIVE SURGERY SOCIETY
SOCIÉTÉ CANADIENNE DE LA CORNÉE, DES MALADIES EXTERNES ET DE LA CHIRURGIE RÉFRACTIVE

LEARNING OBJECTIVES

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

- Describe approaches to common corneal disorders
- Demonstrate properties of the corneal endothelium and surgical options for managing dysfunctional endothelium

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire diverses approches à des maladies courantes de la cornée
- Démontrer des propriétés de l'endothélium cornéen et des options chirurgicales pour traiter un endothélium dysfonctionnel

CHAIR | PRÉSIDENT
Kashif Baig, MD

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS
Rajesh Fogla, MD FRCS
Enrique O. Graue-Hernández, MD, MSc
Virender S. Sangwan, MS

FACULTY | CORPS PROFESSORAL
Hall Chew, MD

MODERATOR | ANIMATEUR
Rookaya Mather, MD

PANELISTS | PANÉLISTES
Mark Fava, MD
Vikas Sharma, MD

1545 Introduction • *Rookaya Mather*

1547 Descemet membrane endothelial keratoplasty as the primary treatment for decompensated penetrating keratoplasty • ***Mahmood Showail***, *Murad Alobthani, Mario Saldanha, Zach Ashkenazy, Armand Borovik, David Rootman*

1554 **2nd Prize, COS Award for Excellence in Ophthalmic Research**

2ème prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie

Characterization of changes in corneal endothelial cell density in early childhood • ***Carl Shen***, *Kamiar Mireskandari, Uri Elbaz, Nasrin N. Tehrani, Saad Khan, Sara Luck, Asim Ali*

1601 Discussion

1605 My approach to corneal endothelial disorders • *Rajesh Fogla*

1615 My approach to ocular surface squamous neoplasia • *Hall Chew*

1625 Discussion

1630 My approach to peripheral ulcerative keratitis • *Virender S. Sangwan*

1640 My approach to corneal refractive surgery in ectasia • *Enrique O. Graue-Hernández*

1650 Discussion

1655 Tear osmolarity and subjective dry eye symptoms in migraine sufferers • ***Melody E. Wong***, *Mary-Magdalene U. Dodd, Paul Masiowski, Vikas Sharma*

1702 Results of a phase 3, randomized, double-masked, placebo controlled trial (OPUS-3) of lifitegrast for the treatment of dry eye disease • ***Clara C. Chan***, *Edward J. Holland, Jodi Luchs, Paul Karpecki, Kelly Nichols, Monica Roy, Aparna Raychaudhuri, Amir Shojaei*

1709 Discussion

1715 Closing remarks

POSTER PRESENTATIONS

LOCATION: Shaw Centre, Exhibit Hall

SET-UP: Friday, June 17 – 1200 to 1700

TEARDOWN: Monday, June 20 – 1330 to 1600

POSTER AWARD PRESENTATION: Saturday, June 18, Current Concepts I (0800 – 1000)

POSTER SIZE: Total usable space per poster board is 90 ½" wide by 40 ⅜" high

You are requested to be at your poster during morning breaks (1000 – 1045) to answer questions.

WE'VE SCHEDULED SPECIFIC DAYS FOR SPECIFIC SUBSPECIALTIES:

Saturday, June 18: Glaucoma; Pediatric Ophthalmology and Strabismus (Room 202); Vision Rehabilitation

Sunday, June 19: International and Public Health Ophthalmology; Neuro-ophthalmology; Oculoplastic & Reconstructive Surgery; Uveitis

Monday, June 20: Cataract Surgery; Cornea, External Disease and Refractive Surgery; Retina

LEARNING OBJECTIVES:

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

PRÉSENTATIONS SUR AFFICHES

LIEU : Centre Shaw, Salle d'exposition

INSTALLATION : Le vendredi 17 juin, entre midi et 17 h

DÉMONTAGE : Le lundi 20 juin, entre 13 h 30 et 16 h

REMISE DES PRIX POUR LES PRÉSENTATIONS SUR AFFICHES : Le samedi 18 juin, Notion courantes I (8 h à 10 h)

TAILLE DE L'AFFICHE : L'espace total utilisable par tableau d'affiche est de 90 ½" de large par 40 ⅜" de haut

Vous êtes tenus de vous trouver à côté de votre affiche durant les pauses du matin (1000-1045) pour répondre aux questions.

NOUS AVONS PRÉVU DES JOURNÉES PARTICULIÈRES POUR LES SURSPÉCIALITÉS :

Le samedi 18 juin : Glaucome, Pédiatrie (Salle 202), Réadaptation Visuelle

Le dimanche 19 juin : Santé Internationale et Publique, Neuro-ophtalmologie, Oculoplastie, Uvéite

Le lundi 20 juin : Cataracte, Cornée, Rétine

OBJECTIFS D'APPRENTISSAGE :

Les participants pourront :

- Accroître leurs connaissances des récentes conclusions de la recherche scientifique liée à l'ophtalmologie
- Interagir avec les chercheurs menant des recherches du même et/ou un intérêt particulier

GLAUCOMA | GLAUCOME

1. Association between ocular dominance and vertical cup-to-disc ratio in adult patients diagnosed with glaucoma
   Sharnjit Bains, Nadia Hua, Enitan A. Sogbesan

2. Prospective Study Comparing Frequency of Obstructive Sleep Apnea in Open-Angle Glaucoma versus Controls
   Ana Maria Benavides-Vargas, Mariana Cabrera, Numan Hallaji, Colin Shapiro, Naheed K. Hossain, Graham E. Trope, Yvonne M. Buys

3. Clinical Results with the Trabectome: A Retrospective Case Series
   Dominique Bourret Massicotte, Caroline Lajoie, Beatrice Des Marchais

4. New Settings for Transcleral Cyclophotocoagulation of the Ciliary Body in Glaucoma
   Mathieu Carrière, Andrew Toren

5. Improvement of the Visual Field Index in clinical glaucoma care
   Shawn L. Cohen, Aaron Rosen, Xianming Tan, Frederick A. Kingdom

6. **2nd Prize, COS Award for Excellence in Ophthalmic Research (Poster)**
   2ème prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie (Affiche)
   Outcomes of Ahmed Glaucoma Valve Mechanism Removal
   Stephanie L. Cote, Paul Mackenzie, Andrew Crichton

7. Quantifying the worldwide economic productivity decline associated with primary open-angle glaucoma
   Harry Dang

8. Outcomes of surgical iridectomy in uveitic glaucoma
   Harry Dang, Rajen Tailor, Francisco Otárola, Keith Barton

9. Subconjunctival anesthesia for cyclophotocoagulation
   Malcolm Gooi, Patrick Gooi

10. Novel cadeveric angle surgery training module
    Malcolm Gooi, Matthew B. Schlenker, Iqbal Ike Ahmed, Patrick Gooi

11. MIGS in $40 / barrel oil: The Western Canadian GATT experience
    Patrick Gooi, Stephanie L. Cote, Bryce Ford

12. Selective Laser Trabeculoplasty versus Medical Therapy Treatment in Patients with Glaucoma
    Muna Hassan

13. Primary selective laser trabeculoplasty versus medication for open angle glaucoma: a long-term retrospective comparison
    Lisa Heckler, Marianne Edwards, Karim F. Damji, Michael Dorey, Chris Rudnisky

14. A Chromatic Pupillometry Protocol to Assess Melanopsin-containing Retinal Ganglion Cells in Visually Normal Subjects and Glaucoma Patients
    Shaobo Lei, Herbert Goltz, Agnes Wong, Manokaraananthan Chandrakumar

15. Surgical Techniques for the Treatment of Aqueous Misdirection in Pseudophakic Eyes after Cataract Surgery
    Prima Moinul, Micah Luong, Jamie Bhamra, Amin Kherani, Andrew Crichton

16. Correlation in Severity Between Glaucoma and Erectile Dysfunction
Nawaaz A. Nathoo, Geoff Law, Ethan Reiner, Jonathan Berkowitz, Simon Warner, Frederick S. Mikelberg
HOT TOPIC | SUJET PIQUANT

17. Visco-assisted CyPass micro-stent: a case series
Dominik W. Podbielski, Yufeng N. Chen, Monika Baltaziak, Iqbal Ike Ahmed

18. InnFocus Microshunt: a case series
Dominik W. Podbielski, Amrit S. Rai, Monika Baltaziak, Iqbal Ike Ahmed

19. Disinfection of the Goldmann Applanation Tonometer: A Systematic Review and National Benchmarking Study
Alex Ragan

20. Management of Glaucoma with Trabecular Micro-Bypass Stents in a Patient with Necrotizing Scleritis
Simrenjeet Sandhu, Lisa Heckler, Michael Dorey

21. Ocular rigidity: A novel non-invasive clinical method
Diane N. Sayah, Javier Mazzaferri, Luke Beaton, Félix Lalonde, Maribel Hidalgo, Denise Descovich, Santiago Costantino, Mark R. Lesk

22. Clinical Guidelines for Open and Closed Angle Glaucoma Care Worldwide: New Insights
Roland Wong, Kyle Saikaley, Neeru Gupta

VISION REHABILITATION | RÉADAPTATION VISUELLE

23. Assessing the iPad as a Tool for Low Vision Rehabilitation
Zale D. Mednick, Atul Jaidka, Robert Nesdole, Mark Bona

24. **3rd Prize, COS Award for Excellence in Ophthalmic Research (Poster)**
3ème prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie (Affiche)
Clinical Effectiveness of Currently Available Low-Vision Devices in Glaucoma Patients with Moderate to Severe Vision Loss
Yogesh Patodia, Elizabeth Golesic, Alex Mao, Cindy Hutnik

PEDIATRIC OPHTHALMOLOGY AND STRABISMUS
L'OPHTALMOLOGIE PÉDIATRIQUE ET STRABISME

Pediatric Ophthalmology and Strabismus Posters will be set up in Room 202 on Saturday, June 18. They will be presented during Pediatrics III and moved to the Exhibit Hall on Saturday evening for viewing on Sunday and Monday.

74. Application of Diagnosis Using the Digital-photoscreener in Chinese Patients with X-linked ocular albinism
Xiangming Guo

75. Ischemic Central Retinal Vein Occlusion (CRVO) in a 14-year-old Girl with Factor V Leiden
Kunyong Xu, Vasudha Gupta, John T. Gonder

76. Childhood acute lymphoblastic leukemia and iris infiltration: a case report and systematic review
Ashley M. Yu, Stephanie Chan, Yiannis Iordanous, Michael O'Connor

INTERNATIONAL AND PUBLIC HEALTH OPHTHALMOLOGY
L'OPHTALMOLOGIE INTERNATIONALE ET SANTÉ PUBLIQUE

25. Assessment of an educational intervention to improve knowledge and clinical skills in ophthalmology of second-year medical students
Sharnjit Bains, Nadia Hua, Lei Di Zhao, Enitan A. Sogbesan

26. Work related musculoskeletal pain among ophthalmologists: A systematic review of the literature and the development of an online educational module
Ashley Brissette, Timothy Ratzlaff, Mark Bona, Kashif Baig, Les MacKenzie

27. Portfolio-based Assessment of CanMEDS Roles to Objectively Evaluate Resident Training
Varun Chaudhary, Prima Moinul, Harneel Kaur, Joshua Barbosa, Anne Beattie, Dalia Eino, Mark Fava, Manreet Alangh, Lei Di Zhao, Laura Donaldson, Brian J. Chen

28. Female Ophthalmologists Bridging the Gap - Analysis of OHIP Billings from 1992-2014
Rana Greene, Yaping Jin, Ying Qi, Yvonne Buys

29. Influence of Age on Ontario Ophthalmologists' Billings from 1992-2014
Rana Greene, Yaping Jin, Ying Qi, Yvonne M. Buys

30. Eye health care delivery on Prince Edward Island: Can public funding policy alter unequal diagnosis by geographic residence?
Yaping Jin, Richard Wedge, Anam Khan, Yvonne M. Buys, Sherif El-Defrawy, Qi-Sheng Chen, Graham E. Trope

31. The age related macular degeneration (AMD) registry of Canada
Nilesh Persad, Michael Brent

NEURO-OPHTHALMOLOGY
NEURO-OPHTALMOLOGIE

32. Corticosteroid-refractory giant cell arteritis: a case with tocilizumab treatment
Irfan N. Kherani, Raheem Kherani, Femida Kherani

33. Delayed Contralateral Presentation of a Carotid Cavernous Fistula Following Trauma
Raymond Ko, Sharon Husak, Michael Kelly

34. An unusual presentation of temporal arteritis
Michael Ross, Rosanne Superstein, Mark Gans

OCULOPLASTIC AND RECONSTRUCTIVE SURGERY
OCULOPLASTIE ET CHIRURGIE RECONSTRUCTIVE

35. Utilizing Image-guided endoscopic sinus surgery as an alternative to anterior orbitotomy: Overview & Case Report
Rami Abo-Shasha, Camilla Stepniak, David Yeh, Brian Rotenberg

36. Hyaluronic acid gel position following two techniques of upper eyelid hollow modification: histological findings in cadavers
Michel J. Belliveau, David Horwath, James H. Oestreicher

37. Conjunctival Mucoepidermoid Carcinoma at the University of Montreal Hospital Center
Salima Hassanaly, Hillel Zukor, Guy S. Allaire, Michele Mabon, Sonia Callejo, Tuan Quynh Tram Nguyen

38. Bilateral endocrine mucin-producing sweat gland carcinoma: Clinicopathological case report of an unusual malignant neoplasm
Kay Lam, Ahsen Hussain, Michael Sidiropoulos, Navdeep Nijhawan

39. Pott's Puffy Tumour presenting as a necrotic eyelid lesion: case report of an unusual clinical presentation
Stephanie A. Low, Ahsen Hussain, Harmeet Gill, Eric Monteiro, Eugene Liu

UVEITIS
UVÉITE

40. Cost-effective comparison of antiviral treatment of active herpetic eye disease in immunocompetent adults, induced by herpes simplex-1/2 or varicella zoster virus in Ontario, Canada
Stacy Fan, Monali Malvankar, Brianna Howell-Spooner, Cindy Hutnik

41. The use of methotrexate in the treatment of non-infectious scleritis
David Sands, Stephanie Chan, Chloe Gottlieb

MONDAY, JUNE 20 – LE LUNDI 20 JUIN

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE

42. Canadian National Survey for Cataract Surgery Teaching
Nina Ahuja, Manreet Alangh

43. Trabecular Meshwork Distortion in Pseudophakic Eyes
Sultan Aldrees, Pablo Zoroquiain, Christina Mastromonaco, Nabil Saheb, Miguel N. Burnier

44. Evaluation of slit-lamp biomicroscope level in a large academic community practice and comparison of a professional level and the iPhone: Implications for axis marking for patients receiving toric IOLs
Mark D. Bamberger, Devesh Varma, Joshua C. Teichman

45. Post-LASIK intraocular lens power calculation: evaluation of current online methods
Xavier M. Campos-Möller, Jason Kwok, Iqbal Ike Ahmed

46. Polyfocal bioanalogic IOL in standard cataract surgery
Dalibor Cholevík

47. Risk of cataract clear corneal incision leakage with increased intraocular pressure
Julie Lapointe, Remy Simoneau, Anne Faucher

48. Development and Validation of the Iris Glare, Appearance and Photophobia (Iris GAP) Questionnaire for patients with iris defects
Amrit S. Rai, Dominik W. Podbielski, Iqbal Ike Ahmed

CORNEA, EXTERNAL DISEASE AND REFRACTIVE SURGERY
CORNÉE, MALADIE EXTERNES ET CHIRURGIE RÉFRACTIVE

49. Corneal melt after Boston keratoprosthesis: clinical presentation, management, outcomes and risk factor analysis
Soumiya Bouhout, Marie-Claude Robert, Sousans Deli, Mona Harissi-Dagher

50. Bacillus cereus exogenous endophthalmitis: an atypical presentation and review of the literature.
Miso Gostimir, Rahul Sharma, Manpartap Bal, Thomas Lee, Michael O'Connor

51. Comparison of Three Different Aberrometers for Measurement of Optical Aberration
Antoine M. Goulet, Yelin Yang, Esteban Santiago, Nima Noordeh, Setareh Ziai, Kashif Baig

52. Early Result of Trans-Epithelial Photo-refractive keratectomy (PRK) with Schwind Amaris (SA) 1050 High Speed Refractive Laser for Myopia
Simon P. Holland, David T.C. Lin, Umi Noh

53. The first year of centralized corneal graft surgery at Kensington Eye Institute, University of Toronto
Ryan Le, Narain Yucel, Shireen Khattak, Yeni H. Yücel, Gerald J. Prud'homme, Neeru Gupta

54. Early Outcome of Topography-guided Photorefractive Keratectomy with Schwind Amaris for Irregular Astigmatism Following Penetrating Keratoplasty
Umi Noh, Simon P. Holland, David T.C. Lin

55. Comparison between different piggyback intraocular lenses
Nima Noordeh, Yelin Yang, Ronan Conlon, Esteban Santiago, Setareh Ziai, Kashif Baig

56. Evaluation of different Dry Eye Syndrome (Keratoconjunctivitis Sicca) diagnostic tests: a systemic review and meta-analysis
Sera-Melisa Thomas, Yasoda Subramanian, Monali Malvankar, Cindy Hutnik

RETINA
RÉTINE

57. **1st Prize, COS Award for Excellence in Ophthalmic Research (Poster)**
1er prix, Prix d'excellence de la SCO pour la recherche en ophtalmologie (Affiche)
Flashes and Floaters: A Survey of Canadian Ophthalmology Residents' Practice Patterns
Parnian Arjmand, Chai Lin (Jack) Chou, Bernard R. Hurley

58. Progression of Geographic Atrophy and Intravitreal Injections for age-related macular degeneration: 6-month analysis
Crystal Cheung, Marisa Sit, Shaun Singer, Michael Brent, Wai-Ching Lam

59. Practice patterns among Canadian vitreoretinal surgeons in the management of symptomatic vitreous floaters
Chai Lin (Jack) Chou, Michael Dollin

60. Ultra-Widefield SD-OCT of the Retinal Periphery
Netan Choudhry, John Golding, Rajesh Rao

61. Fixation stability recording with the MP-1: How long is enough for eyes with macular damage?
Ishrat Gill, Luminita Tarita-Nistor, Esther G. Gonzalez, Martin J. Steinbach

62. Retinal Vein Occlusion in Patients with Angle Closure
Ritesh Gupta, Harmanjit Singh, Devesh Varma, Iqbal Ike Ahmed

63. Use of narrated whiteboard animation for patient education: a randomized clinical study
Vasudha Gupta, Rachel Curtis, Steven Bae, Uriel Rubin, Isabella Irrcher, Sanjay Sharma

64. Ascaris Lumbricoides and posterior uveitis with retinal vasculitis - a case report and literature review
Claire Hamilton, Nabha Shetty, Ann Hoskin-Mott

65. Utility Measurements in Diabetic Retinopathy: A Systematic Review
William Hodge, Francie F. Si, Faten Bahnacy

66. Relationship between choroidal thickness and area of ellipsoid zone defect in macular telangiectasia type 2 using enhanced-depth imaging SD-OCT
Daniel Q. Li, John Golding, Netan Choudhry
HOT TOPIC | SUJET PIQUANT

67. Intravitreal anti-VEGF treatment of myopic choroidal neovascularization: visual acuity improves when treatment is initiated prior to the development of fibrosis or atrophy
Daniel Moroz, Monique Munro, Michael Fielden
HOT TOPIC | SUJET PIQUANT

68. The role of occult hypertension in retinal vein occlusions and diabetic retinopathy
Nataly Pesin, Efrem D. Mandelcorn, Richard I. Ogilvie, Michael H. Brent

69. Use of an augmented reality simulator for teaching of binocular indirect ophthalmoscopy to novice ophthalmology residents
Amandeep S. Rai, Amrit S. Rai, Emmanouil Mavrikakis, Wai-Ching Lam

70. Misdiagnosed and unsuspected ciliary body and choroidal melanoma after enucleation and evisceration: Review of cases in the Ottawa-Gatineau region from 1996-2012
Solin Saleh, Seymour Brownstein, Andre Jastrzebski, David Jordan, Steven M. Gilberg, Brian Leonard, Bernard R. Hurley

71. Correlations between subjective perception of metamorphopsia and objective measurement of metamorphopsia among people with age-related macular degeneration
Kunyong Xu, Steven Bae, Vasudha Gupta, Sanjay Sharma

72. Metamorphopsia and vision-related quality of life among patients with age-related macular degeneration
Kunyong Xu, Vasudha Gupta, Steven Bae, Sanjay Sharma

73. Stability of Peripapillary RNFL Thickness in Patients Treated Chronically with Intravitreal anti-VEGF for Exudative AMD
Gary L. Yau, Kunyong Xu, Cody X. Li, Sanjay Sharma

COS ANNUAL GENERAL MEETING
ASSEMBLÉE GÉNÉRALE ANNUELLE DE LA SCO

Saturday June 18 | Samedi le 18 juin

1215 – 1330 • Ontario Room, Westin Hotel

COS members: Please plan on attending the Annual General Meeting. We will be highlighting our accomplishments from the previous year and discussing future initiatives. We will also be approving audited financial statements, receiving nominations for the Board of Directors, providing an update on advocacy efforts, and considering any other business.

Membres de la SCO : Prévoyez participer à l'Assemblée générale annuelle. Nous mettrons en lumière nos réalisations de l'année précédente et discuterons des initiatives futures. De plus, nous approuverons les états financiers vérifiés, approuverons les nominations au conseil d'administration et envisagerons tout autre sujet.

BUSINESS MEETINGS | SÉANCES DE TRAVAIL

TIME | HEURE	MEETING NAME | SÉANCE	MEETING ROOM | SALLE	CONTACT
Thursday, June 16 | Jeudi le 16 juin			
1830 – 2200	Canadian Orthoptic Council Board Meeting	Newfoundland Room – Westin Hotel	Ann Haver
Friday, June 17 | Vendredi le 17 juin			
0800 – 1100	ACUPO	Alberta Room – Westin Hotel	Stacy Whetung
0800 – 1100	Program Directors	Nova Scotia Room – Westin Hotel	Stacy Whetung
0800 – 1500	Royal College Meeting	Ontario Room – Westin Hotel	Stacy Whetung
0900 – 1030	COS DTOL Committee Meeting	Manitoba Room – Westin Hotel	Jonathan Wong
1100 – 1200	National Fellowship Directors Meeting	Spruce Room – Westin Hotel	Asim Ali
1100 – 1500	COS Board of Directors Meeting	British Columbia Room – Westin Hotel	Allan Slomovic
1400 – 1700	CSORN Executive Meeting	Manitoba Room – Westin Hotel	Kathy Bruce
1330 – 1630	Eye Bank Committee	Saskatchewan Room – Westin Hotel	Patricia Laughrea
1530 – 1630	Presentation to Subspecialty Society Presidents	Quebec Room – Westin Hotel	Jennifer Brunet-Colvey
1545 – 1645	COS MOC Committee Meeting	Spruce Room – Westin Hotel	Colin Mann
1700 – 1800	COPS Annual Meeting	Room 202 – Shaw Centre	Valerie White
1900 – 2200	Canadian Orthoptic Council AGM	Maple Room – Westin Hotel	Ann Haver

Saturday, June 18 | Samedi le 18 juin			
0630 – 1430	COMT Performance Test	Les Saisons – Westin Hotel	Lynn Anderson
0700 – 0800	Christian Ophthalmology Breakfast	Alberta Room – Westin Hotel	Ralf Buhrmann
0700 – 0830	CCOTP Meeting	Nova Scotia Room – Westin Hotel	Sarah Whitecross
0830 – 1000	TCOS Executive Business Meeting	Nova Scotia Room – Westin Hotel	Sarah Whitecross
1215 – 1330	COS Annual General Meeting	Ontario Room – Westin Hotel	Allan Slomovic
1545 – 1600	Ocular Regenerative Society Business Meeting	Room 203 – Westin Hotel	Allan Slomovic
1715 – 1815	CCEDRSS Business Meeting	Canada Hall I – Shaw Centre	Kashif Baig
1715 – 1815	CGS Annual General Meeting	Room 206 – Shaw Centre	Jamie Taylor
1715 – 1830	EPSO Annual General Meeting	Ontario Room – Westin Hotel	Amanda Meek
1730 – 1830	CAPOS Business Meeting	Room 202 – Shaw Centre	Jane Gardiner
1730 – 1900	COS CJO Editorial Board	Alberta Room – Westin Hotel	Phil Hooper
1730 – 1900	CCOR Business Meeting	Quebec Room – Westin Hotel	Zale Mednick
Sunday, June 19 | Dimanche 19 juin			
0630 – 0800	Repeat Laser Study Meeting	Alberta Room – Westin Hotel	William Hodge
0800 – 1100	TCOS Annual General Meeting	Ontario Room – Westin Hotel	Sarah Whitecross
1300 – 1500	Canadian National Retinoblastoma Strategy Meeting	Alberta Room – Westin Hotel	Brenda Gallie
1715 – 1800	Neuro-Ophthalmology Business Meeting	Room 206 – Shaw Centre	Amadeo Rodriguez
1715 – 1800	CRS Business Meeting	Canada Hall 1 – Shaw Centre	Amin Kherani
1715 – 1800	Oculoplastics Business Meeting	Room 202 – Shaw Centre	Larry Allen
Monday, June 20 | Lundi le 20 juin			
1215 – 1330	COS Annual Meeting Planning Committee Debrief	Alberta Room – Westin Hotel	Yvonne Buys
1715 – 1800	CUS Annual Meeting	Room 206 – Shaw Centre	Jean Deschênes

SOCIAL EVENTS | ACTIVITÉS SOCIALES

Please join us for a glass of cheer and help us celebrate the 2016 COS Annual Meeting. These events are great opportunities to network with our international speakers, special guests, sponsors, and exhibitors. Reconnect with old acquaintances and make new friends with colleagues from across Canada.

Venez porter un toast pour célébrer le congrès annuel 2016 de la SCO. Ces activités sont des occasions idéales pour tisser des liens avec nos conférenciers internationaux, nos invités spéciaux, nos commanditaires et nos exposants. Retrouvez des connaissances et nouez de nouvelles amitiés avec des collègues de partout au Canada.

WELCOME RECEPTION – Uninsured Services Launch

RÉCEPTION D'ACCUEIL – Lancement des services non assurés

Friday, June 17 | Vendredi 17 juin

1800 – 1930 • Parliament Foyer, Shaw Centre

The Welcome Reception and Uninsured Services Launch at the Shaw Centre in the Parliament Foyer overlooks the Parliament buildings and Rideau Canal. Enjoy these spectacular views, while renewing ties with old friends and colleagues. The COS Uninsured Services report will be distributed at this event and you will want to be among the first to receive a copy. The field of ophthalmology is known and well-respected for its innovation. The valuation of uninsured services will be an excellent tool and a resource to our members.

La réception d'accueil se tiendra au Centre Shaw, dans le Foyer Parliament, qui surplombe les édifices du Parlement et le canal Rideau. Profitez de ces vues spectaculaires tout en retrouvant d'anciens amis et collègues. Le rapport de la SCO sur les services non assurés sera distribué à cette occasion : soyez les premiers à le consulter! Le domaine de l'ophtalmologie est reconnu et respecté pour son innovation. Ce rapport sur la valeur des services non assurés sera un excellent outil et une ressource utile pour nos membres.

NETWORKING RECEPTION

RÉCEPTION DE RÉSEAUTAGE

Sunday, June 19 | Dimanche 19 juin

1715 – 1815 • Canada Hall II & III, Shaw Centre

Come join your colleagues for an informal gathering with drinks and hors d'oeuvres in the exhibit hall.

Retrouvez vos collègues pour une réception informelle dans le salon des exposants, où seront servis des bouchées et des rafraîchissements.

Dress: Casual | Tenue : Décontractée

FUN RUN (OR WALK!)

COURSE AMUSANTE

Monday, June 20 | Lundi 20 juin

0600 – 0800 • Participants meet at the concierge's desk in the main lobby at the Westin Hotel | Les participants se réuniront à la conciergerie dans l'entrée de l'hôtel Westin.

Take this opportunity to catch a bit of fresh air and explore the neighbourhood – jogging or walking. The fee includes a guide, a light breakfast, a T-shirt, and a towel. If you're local, you can join in the fun too! Access keys to change rooms located at the Westin Hotel, on the 6th floor, will be provided post-run.

Profitez de cette occasion pour prendre une bonne bouffée d'air frais et découvrir le voisinage en joggant ou en marchant. Les frais d'inscription comprennent un guide, un déjeuner léger, un T-shirt et une serviette. Si vous habitez dans la région, vous pouvez joindre le plaisir aussi! Des clés d'accès au vestiaire du Westin, au 6e étage, vous seront remises après la course.

QUEEN'S UNIVERSITY ALUMNI RECEPTION

RÉCEPTION DES ANCIENS DE L'UNIVERSITÉ QUEEN'S

Sunday, June 19 | Dimanche 19 juin

1715 – 1830 • Saskatchewan Room, Westin Hotel

All Queen's ophthalmology alumni are encouraged to attend a special reception. Please come and say hello to past friends and faculty. Drinks and light refreshments will be served.

Tous les anciens étudiants en ophtalmologie de Queen's sont invités à cette réception spéciale. Venez dire bonjour à de vieux amis et professeurs! Des boissons et des rafraîchissements seront servis.

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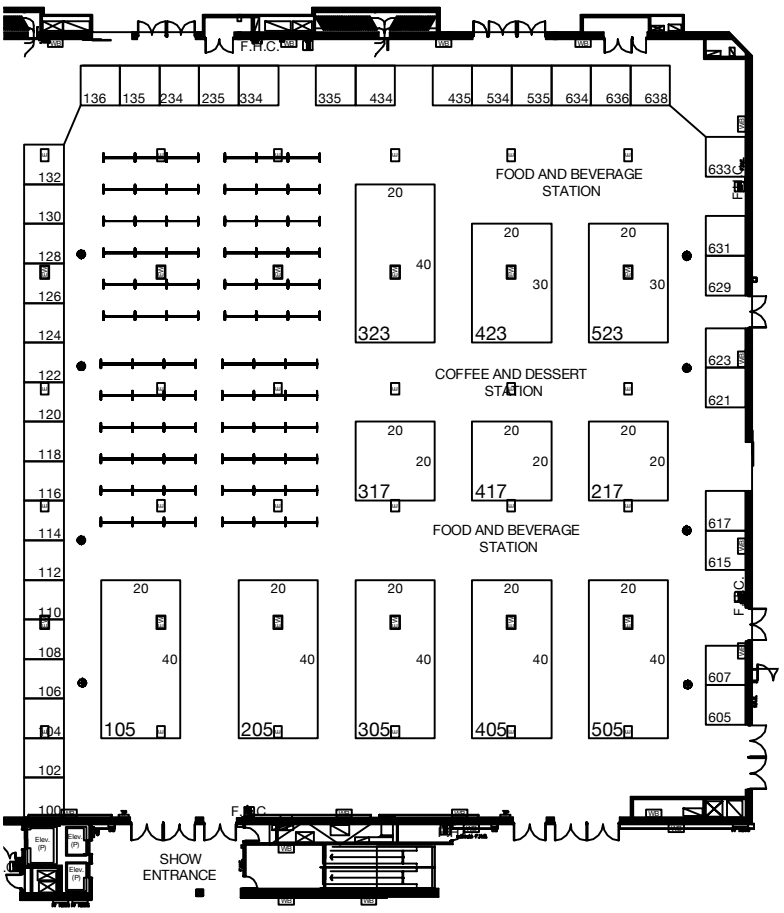

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For more information, visit the company's website at **www.abbottmedicaloptics.com** or for information on Abbott, visit **www.abbott.com**.

AbbVie
Booth 100

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Accessible Media Inc. (AMI)
Booth 534

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Allergan Inc.
Booth 205

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Axis Medical Canada Inc.
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Booth 105

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Our talented and motivated colleagues work relentlessly to bring new innovations to our customers and patients. Our more than 150-year heritage of improving vision has made Bausch + Lomb a global hallmark for innovation and quality.

Our highest priority is the well-being of the people we serve. By listening to our customers and patients, by constantly honing our innovation edge, by executing with integrity and excellence, we strive to earn the trust of our partners and stakeholders and to outperform our competitors.

Bausch + Lomb, helping you see better—to live better.

Bayer HealthCare

Booth 305

Science For A Better Life

Amy Bowes
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Mississauga, ON L4W 5R6
T: 905-282-5652
F: 905-282-5733
E: amy.bowes@bayer.com
www.bayer.ca

You need commitment, focus and passion to find new ways to fight the diseases of this world: innovation is at the heart of it.

Science For a Better Life. Our commitment is to bring to patients around the world quality medicines for use in diagnosing, combating and preventing disease. Every day we work against time, researching new pathways, new molecules, new technologies—complementing our own capabilities with expertise of innovative partners from science and industry. The success of this work is evidenced in new medicines for areas with significant unmet medical need such as oncology, cardiovascular and blood diseases, as well as gynecology and ophthalmology. Our aim is a better quality of life for all.

Candorvision
Booth 234

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5038 Rue Sherbrooke Ouest
Montreal, QC H4A 1T0
T: 514-380-5270
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www.candorvision.com

Candorvision markets highest quality ophthalmics, eliminating potentially harmful excipients for patient safety. Proven in Europe and in Canada, HYLO™ / HYLO™Gel / HYLO™Dual 300-dose eye drops & Ocunox™ eye ointment are the refreshing alternative for your dry eye & allergy patients:

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Candorvision Your eyes are everything!

Carl Zeiss Canada Limited
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The moment innovation and passion lead to the best vision for your patient. This is the moment we work for. With products and services for patients, Carl Zeiss Canada strives to contribute to medical progress in eye care and to create added value for your daily work. ZEISS offers a comprehensive portfolio of state-of-the-art, integrated ophthalmic systems for Glaucoma, Retina, Cataract & Refractive Workplaces.

Clarion Medical Technologies
Booth 423

125 Fleming Dr
Cambridge, ON N1T 2B8
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www.clarionmedical.com

Clarion Medical Technologies is a leading medical technology provider in Canada. Offering innovative solutions for vision care, Clarion embraces technology to deliver best in class products. Our solutions for vision enhancement and vision protection include premium intra-ocular lenses, high definition OCT, OCT Angiography, electrophysiology, diagnostic equipment, retinal cameras, corneal collagen crosslinking and leading laser technology for photocoagulation, photodisruption and SLT photoregeneration. Clarion also offers premium refractive technologies including industry-leading excimer lasers.

Essilor
Booth 636, 638

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www.essilor.ca

Essilor is the world leader in ophthalmic optics with a presence in 100 countries. The Group designs, manufactures and markets an extensive range of vision care solutions that help to correct, protect and prevent risks to the visual health of around one billion people worldwide. In line with its mission to improve lives by improving sight, Essilor continuously innovates to widen access to eyewear that is tailored to each person's unique visual needs and lifestyle. With 2.5 billion people in the world still suffering from uncorrected poor vision Essilor has accelerated its commitment to healthy vision for all by dedicating resources towards the ambition to 'See Change'. The Group has pioneered a number of initiatives in emerging countries, providing first-time access to vision care to over two million people living in underserved areas. In Canada, Essilor is endlessly working to address the issue of visual health as part of its core business strategy and commitment to all Canadians.

Forus Health Pvt. Ltd
Booth 535

Connor Larkin
North & South American Business Development
#2234 23rd Cross Banashankari 2nd Stage
Bengaluru- 560 070, India
T: 202-744-0841
www.forushealth.com

Forus Health was launched in Bangalore, India in January 2010 to address health issues affecting the developing world through innovative products and solutions combined with innovation in deployment in an inclusive environment. Our flagship product, the 3nethra pre-screening ophthalmology device, has over 700 installations in 20 countries, and is currently Health Canada-approved.

Glaukos Canada Inc.
Booth 108

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Glaukos Corporation is an ophthalmic medical technology company focused on the development and commercialization of breakthrough products and procedures to transform the treatment of glaucoma, one of the world's leading causes of blindness. The company pioneered Micro-Invasive Glaucoma Surgery, or MIGS, to revolutionize the traditional glaucoma treatment and management paradigm. Glaukos launched the iStent® Trabecular Micro-Bypass Stent, our first MIGS device, in Canada in 2009 and launched the iStent inject® Trabecular Micro-Bypass Stent in 2016. We are leveraging our platform technology to build a comprehensive and proprietary portfolio of micro-scale injectable therapies designed to address the complete range of glaucoma disease states and progression.

Huaian Meide Medical Instruments
Booth 130

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E: kerry@hamdyl.com

Huaian MEIDE medical instruments Co., Ltd is a professional manufacturer specialized in product design, development, production and distribution of surgical instruments. The company has strong technical power, advanced manufacturing equipments, perfect quality system, well-trained managers and specialized businessmen.

All surgical instruments are manufactured using the highest quality titanium alloy, it is lightweight, high-strength, non-magnetic, non-corrosive, can be sterilized by all known techniques and well tolerated by tissue. Our company have built the completely quality system, we have obtained the quality system we have obtained "CE" and "FDA" product authentication of our products, our high-quality products have been exported to more than 20 countries.

Our company has a product range of more than 2,000 titanium instruments. Including: General Instruments, Ophthalmic Instruments, Neurosurgical Instruments, Thoracic and Cardiovascular Instruments, Microsurgical Instruments, Plastic Surgery Instruments.

We persist in the principle of "First quality, uppermost reputation, people as foundation, development and innovation", MEIDE endeavor to keep ahead of market changes and technology advances, Part of our strategy is developing new products. Our customers' satisfaction is top of the agenda in any member of the MEIDE team.

I-MED Pharma Inc.
Booth 317

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Event Coordinator
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F: 514-685-8998
E: info@imedpharma.com
www.imedpharma.com

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Imprimis Pharma
Booth 135

502 Lakeshore Road
Beaconsfield, QC H9W 4J7

Imprimis Pharmaceuticals (Nasdaq: IMMY) is dedicated to delivering high quality and innovative medicines to physicians and patients TODAY at accessible prices. Their proprietary compounded Dropless Therapy™ injectable formulations and LessDrops™ Combination Drop Therapy topical offerings aim to reduce issues with patient compliance and decrease overall costs."

Innova Medical Ophthamics Inc.
Booth 323

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Marketing Assistant
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www.innovamed.com

This year marks INNOVA's 30th anniversary. Over three decades, the company has become a trusted supplier of the most comprehensive line of diagnostic instruments, supplies and service available to the Canadian ophthalmic community. INNOVA partners with the world's leading manufacturers to bring exceptional, technologically advanced products to the Canadian

market. With the new INNOVA Surgical Sales Team, clients now have access to a wider range of instrument manufacturers including DORC and OASIS. Through a combination of company policies, quality manufacturers and dedicated staff, INNOVA continues to deliver an unmatched client experience in the world of ophthalmic instruments.

Instrumentarium
Booth 605

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E: info@instrumentarium-online.com
www.instrumentarium-online.com

Since 1977, we have built our reputation on the quality of our products and services. Our highly qualified, experienced team has always made Instrumentarium a partner that meets your needs in ophthalmology with integrity and effectiveness, so that you get the most out of your investment.

Keeler Instruments Inc.
Booth 335

Eugene R. VanArsdale
Sales & Marketing Manager
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Broomall, PA 19008
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F: 610-353-7814
E: erv@keelerusa.com
www.keelerusa.com

Keeler is proud to continue our support of the Canadian Ophthalmological Society Annual Meeting.We will be displaying our line of Slitlamps from our 40H – 5 Magnification Refraction unit to our PSL Classic hand held unit. Also on display will be our Cryomatic Ophthalmic System, Digital Applanation Tonometers, and our Market leading Binocular Indirects including the New Vantage Plus Digital with Kapture Software. Please stop by and visit with us or our network of ophthalmic dealers which Includes both Axis Medical Canada and Innova Medical Ophthalmics.

Keir Surgical Ltd
Booth 114

Michael Siniak
126-408 Kent Ave. South E.
Vancouver, BC V5X 2X7
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E: msiniak@keirsurgical.com
www.keirsurgical.com

Keir Surgical Ltd. is a Canadian owned and operated surgical products company dedicated to providing its customers with quality products and service. Since 1923, Keir Surgical has been supplying Canadian hospitals with high quality instrumentation, sterile monitoring devices, neurosurgical systems, ostomy supplies, and post-surgical garments.

Labtician Ophthalmics, Inc.
Booth 122,124,126,128

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E: ldockray@labtician.com
www.labtician.com

Labtician Ophthalmics, Inc. is a solutions focused provider of specialty medical devices & pharmaceutical products to the Canadian Ophthalmic community. We commercialize and exclusively distribute the following medical device lines: AcuFocus, Inc., Beaver-Visitec International, Inc., BioTissue™, Fluoron®, Mastel Precision, MicroSurgical Technologies, Inc. (MST), New World Medical, Inc., Ophtec. We also commercialize the following therapeutic lines: Laboratoires-Thea Preservative Free Multidose Artificial Tears and Lid Hygiene products, BVI Punctal Plugs, RPS InflammaDry & AdenoPlus and BioTissue Cliradex.

Leica Microsystems
Booth 435

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Buffalo Grove, IL 60089
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www.leica-microsystems.com

Leica Microsystems develops and manufactures microscopes and scientific instruments for the analysis of microstructures and nanostructures. The company is one of the market leaders

in compound and stereo microscopy, digital microscopy, confocal laser scanning microscopy, electron microscopy sample preparation, optical coherence tomography, and surgical microscopes.

The Leica Microsystems Medical Division's focus is to partner with and support surgeons and their care of patients with the highest-quality, most innovative surgical microscope technology today and into the future.

See Beyond with the new ophthalmic platform from Leica Microsystems: NEW! microscope for anterior and posterior surgery; NEW! IOL guidance system, and NEW! intrasurgical OCT.

Ming's Optical Inc.
Booth 633

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T: 905-415-9388
F: 905-415-9788
www.optical411.com
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Optical 411-the division of Ming's optical Inc., is specialized in supplying ophthalmic instruments, optical lab equipments &tools, and eyeglass parts accessories. Our products are certified by FDA, CE, IS9001 and MA. Besides, we offer worldwide OEM and FOB service, and at present, our business is mainly in North America. Purchase and Sales centers are located in China and Canada. Our goal is to establish a one-stop global shopping center for optical lenses, equipments and frames, as well as to become the optical directory.

Miraflex
Booth 106

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www.miraflexglasses.net

Miraflex is dedicated to supplying children from birth to elementary school ages, safe, ergonomically designed, affordable frames able to hold all pediatric prescriptions, including prisms. Being metal free, that includes no nose pads, springs, hinges, or screws are part of the frame. Safety is also marked by the durability, ruggedness and abuse the frames will resist. Their anatomically designed bridge and light weight helps the most important criteria why Miraflex is so popular: the kids wear them, guaranteeing eye care professionals security that their labor and intentions will not be compromised.

Medical Pharmacies Group Limited
Booth 112

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Vice President
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E: james.chiang@medicalpharmacies.com

Medical Pharmacies Group Ltd. is a leading Canadian provider of specialty pharmacy and healthcare products and services. Our Specialty Division provides customized pharmacy and patient support services that enhance Ophthalmology practice efficiency, patient convenience and safety. Our Specialty Pharmacy and Med-e-Consult Patient Assistance teams work closely with specialists' offices, administration clinics, hospitals, long term care institutions and other stakeholders to simplify the ordering, delivery, administration and reimbursement of specialized ophthalmic treatments and other specialty drug therapies treating a wide range of chronic conditions.

Médicapital
Booth 617

MediCapital
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Pour un financement en santé

Mélissa Denié
Communication & Marketing
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E: info@medicapital.net
www.medicapital.net

Since 35 years, MediCapital has provided financial programs for healthcare professionals in Canada.

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Novartis Alcon

Booth 417

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F: 514-631-5818
E: Scott.Rogers@novartis.com
www.novartis.ca

To further strengthen our ability to innovate and enhance our leadership in ophthalmology, we have recently combined **Alcon's Ophthalmic Pharmaceuticals** business with the **Novartis Pharma Retina** franchise to create a world-leading ophthalmic business as part of Novartis Pharma.

We believe we can help more patients to achieve even better vision outcomes by joining Alcon's broad expertise in eye care and strong stakeholder relationships with Novartis Pharma's proven medical, scientific and operational expertise.

This new franchise will offer you the broadest portfolio of ophthalmic pharmaceutical brands with a strong late-stage Retina pipeline and promising early-stage compounds in Retina, Glaucoma and Dry Eye.

We will continue to work as one team to ensure you experience the trusted collaboration you enjoyed with us for years, while creating more opportunities to deliver enhanced services and innovation across our ophthalmic pharmaceuticals and medical device businesses.

Novartis Pharmaceuticals Canada Inc., a leader in the healthcare field, is committed to the discovery, development and marketing of innovative products to improve the well-being of all Canadians. For further information, please consult **www.novartis.ca**.

OCuSOFT
Booth 607

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Director of Marketing
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www.ocusoft.com

OCuSOFT®, most recognized for its #1 Doctor Recommended Brand of Eyelid Cleansers, is an ophthalmic research, development and supply company with an established reputation for innovation, particularly in the area of Ocular Surface Disease (OSD). Since 1986, OCuSOFT® has served the ophthalmic community with a unique selection of proprietary brands. OCuSOFT® offers a full line of ophthalmic pharmaceutical supplies including OCuSOFT® Lid Scrub® Eyelid Cleansers for daily eyelid hygiene and Retaine® MGD® Ophthalmic Emulsion Preservative-Free Eye Drops for complete tear film enhancement. Visit our booth to learn more.

Optos, Inc.
Booth 621, 623

Judy Reger
Senior Manager, Global Exhibitions
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Marlborough, MA 01752
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F: 508-486-9310
E: jreger@optos.com
www.optos.com

Optos delivers comprehensive retinal imaging devices and evaluation tools to eyecare professionals.

With the support of more than 300 clinical studies, optomap is the only clinically-validated, ultra-widefield retinal imaging technology in the industry. Our products enable eyecare professionals to detect, monitor, and effectively treat more retinal pathology thus saving sight and lives.

Persavita Inc.
Booth 110

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Dr. Mahmood Piraee
CEO / PDG
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Montreal, Quebec H3A 2A6
T: 800-430-1422
F: 800-430-1422
E: info@saffron2020.ca
www.persavita.com

Persavita creates innovative, science-based nutritional supplements for the aging population. The company's flagship eye health product is Saffron 2020; it supports and maintains eye health in age-related macular degeneration (AMD), and helps reduce the risk of developing cataracts. The CEO of Persavita, Dr. Mahmood Piraee, will be on hand to explain how Saffron 2020 harnesses the power of super-spice saffron and is formulated based on the latest research into AMD supplements safety and effectiveness.

Pfizer Canada
Booth 132

17300 Trans Canada Highway
Kirkland, QC H9J 2M5
T: 800-267-2553
www.pfizer.ca

Pfizer Canada Inc. is the Canadian operation of Pfizer Inc., one of the world's leading biopharmaceutical companies. Our diversified health care portfolio includes some of the world's best known and most prescribed medicines and vaccines. Every day, Pfizer Canada employees work to bring therapies to patients that significantly improve patients' lives. Pfizer is a major contributor to health research in Canada. We apply science and our global resources to improve the health and well-being of Canadians at every stage of life. Our commitment is reflected in everything Pfizer does, from our disease awareness initiatives to our community partnerships.

Sacor Inc.
Booth 615

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Booth 118

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www.salientmed.com

At Salient Medical Solutions, we focus on introducing the newest and most innovative products in Ophthalmology. With over 20 years of experience including the introduction of excimer lasers, femtosecond lasers and corneal inlays to Canada we continue this trend in the recent introduction of Iridex MicroPulse lasers for Retina/Glaucoma and Avedro Mosaic System for non-surgical refractive correction. IRIDEX Cyclo G6 Glaucoma got Health Canada approval earlier this year.

Shire
Booth 134

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Shire enables people with life-altering conditions to lead better lives.

Our strategy is to focus on developing and marketing innovative specialty medicines to meet significant unmet patient needs.

We provide treatments in Neuroscience, Rare Diseases, Gastrointestinal, and Internal Medicine and we are developing treatments for symptomatic conditions treated by specialist physicians in other targeted therapeutic areas, such as Ophthalmology.

STAAR Surgical Company
Booth 102

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Marketing Comm. Manager
Marketing Department
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F: 800-952-4923
www.staar.com | www.visianinfo.com

STAAR Surgical Company, which has been dedicated solely to ophthalmic surgery for over 30 years, designs, develops, manufactures and markets implantable lenses for the eye with companion delivery systems. These lenses are intended to provide visual freedom for patients, lessening or eliminating the reliance on glasses or contact lenses. All of these lenses are foldable, which permits the surgeon to insert them through a small incision.

STAAR's VisianICL, nanoFLEX and Afinity Aspheric IOLs are made from Collamer.

Collamer is a proprietary material used exclusively by STAAR Surgical in our Visian ICL and other corrective lenses. This material consists of collagen which naturally occurs in your body. Visian ICL Collamer technology has some unique characteristics that make it an ideal material for a vision correction lens.

T.B. Clift Limited
Booth 629

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www.tbclift.com

T.B. Clift Limited is an Atlantic Canada medical and surgical products distributor offering sales, marketing and distribution to manufacturers of quality medical and surgical products.

We are a 'customer first company' with 50 years' experience selling and distributing in the healthcare market. Our customers expect, and we deliver on, our commitment to seeking, marketing and distributing innovative medical and surgical technologies.

T.B. Clift Limited has core competencies in the Operating Room, Medical Device Reprocessing Department and Infection Prevention and Control. These 'heart of the hospital' programs rely on technological innovation and the consistent, competent and knowledgeable representation of T.B. Clift Limited.

T.B. Clift Limited is a financially stable company with a strong balance sheet and excellent credit facility. We are selective in our consideration of potential partners and business opportunities and are prepared to invest our time and money for the right opportunities. This ensures our suppliers that they have representation in the field and not just 'in the bag'.

Atlantic Canada consists of four Canadian provinces including, Nova Scotia, New Brunswick, Newfoundland and Labrador and Prince Edward Island. The population of the region approximately 2,350,000 people is serviced by 21 regional health authorities. With a staff of 8 people, including 3 sales professionals, we provide our customers and our suppliers with a complete professional basket of services.

Linking Solutions and Technologies.

TearScience
Booth 116

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TearScience®, makers of LipiView II with Dynamic Meibomian Imaging™(DMI) and LipiFlow® with Vectored Thermal Pulse™, continues to lead innovation in detecting and treating Meibomian Gland Disease. MGD, a progressive and obstructive disease is distinguished by loss of function and structure in meibomian glands. Affecting about 86% of the 300 million dry eye sufferers worldwide. For information on how TearScience® is improving gland function and alleviating symptoms for patients with MGD, please visit **www.TearScience.com**.

Tecksoft Inc.
Booth 120

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Tecksoft Inc. is a developer of applications and solutions for the medical sector. Tecksoft Inc. conceived and created a robust EMR for ophthalmology called EyeVu. This software facilitates the capture, processing and transmission of data from a variety of medical devices and medical records.

Topcon Canada Inc.
Booth 217

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www.topcon.ca

As a global leader in ophthalmic technology, **Topcon** is the "**One to Look Into**" for solutions that can help diagnose better and more completely, treat your patients with optimal outcomes, work with greater efficiency and flexibility and grow your practice and service offerings. We deliver "**Performance You Can Count On**" with an extensive portfolio of innovative products known for their reliability and backed by excellent training, service and support.

Topcon works every day in our global R&D centers to offer the most advanced technologies and innovations to bring you on the cutting edge of your practice. We are proud to present our latest product additions including the DRI OCT Triton, Aladdin, KR-800S, PASCAL laser Synthesis and SL-D701 with BG5 & DC4 along with the already known 3D OCT-1 Maestro and KR-1W, and our Synergy Ophthalmic Data Management System which integrates images and reports from Topcon's instruments as well as over 100 other manufacturers' systems into a single, secure, digital environment.

Topcon also distribute products and supplies from other world renowned manufacturers such as AMTEK, Accutome, Gulden Ophthalmics, Icare Finland, Kay Pictures, MorTan, M&S Technologies and Welch Allyn Canada.

Walsh Medical Devices Inc.
Booth 104

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T: 905-844-8344
F: 905-338-0488
E: custservice@walshmedical.com
www.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 Mono Canaliculus Set, 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.

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Allergan eye care

see what we see

By 2050 the world's population over 60 will have doubled to two billion, making age-related illness an even greater challenge for society. That's why we're seeking to help people stay healthier and more active in later life, be it through more targeted treatments for cancer and cardiovascular conditions, solutions for eye diseases, or ways to keep those with arthritis moving. Because life shouldn't stop at 60 – not by any means.
To find out how our innovations are helping to change lives for the better, visit www.bayer.ca

BAYER

Science For A Better Life

Each day, we have 14 billion little reminders to continue advancing eye health.

From the moment we open our eyes and start to view the possibilities of each new day, we look at how we can improve the well-being of the world's 14 billion eyes. Will this be the day when one of us unlocks a way to eliminate visual impairment in newborns? Or strikes upon a treatment that actually helps the eye heal itself? To us, these are not some distant hopes. They are the daily questions that add new urgency to all we do and everything we see forthe future. We're Bausch + Lomb, a company solely focused on advancing the vision and care of the world's eyes.

Visit us at booth 105

BAUSCH + LOMB
See better. Live better.

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Valeant Canada

At Alcon, We See a Future of Endless Possibilities...

Alcon's Commitment to Eye Care Every day, we challenge ourselves with Alcon's mission—to provide innovative products that enhance quality of life by helping people see better. As the global leader in eye care, this mission means that we strive to make significant contributions in the fight to prevent and, one day, eliminate blindness. To that end, we are dedicated to providing the highest quality eye care products for treating various eye diseases and eye conditions.

Our steadfast commitment to relationships with health and eye care professionals, our associates and the global community is at the core of our success.

L'engagement d'Alcon envers les soins oculaires Chaque jour, nous relevons le défi de la mission d'Alcon—fournir des produits innovants qui rehaussent la qualité de vie des patients en les aidant à voir mieux. Il en résulte que, en tant que chef de file mondial dans le domaine des soins oculaires, nous contribuons de manières importantes aux efforts pour prévenir et, un jour, éliminer la cécité. Dans ce but, nous veillons à fournir des produits de soins oculaires de la plus haute qualité pour le traitement de différentes affections et maladies oculaires.

Notre constance dans nos relations avec les professionnels de la santé et des soins oculaires, avec nos associés et avec la communauté mondiale est au coeur même de notre réussite.

OUR VISION

OUR MISSION

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to discuss the innovative steps we're taking to improve patient care and deliver advanced therapies.

VENEZ DISCUTER AVEC NOUS AU STAND #100
sur les approches innovatrices que nous prenons pour améliorer les soins aux patients et offrir des traitements novateurs.

AbbVie is proud to be a **BRONZE SPONSOR** of the **2016 COS Annual Meeting & Exhibition**

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COS Annual Meeting
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Medical Pharmacies' Specialty division provides customized pharmacy and patient support services that enhance Ophthalmology practice efficiency, patient convenience and safety. Our Patient Assistance and Specialty Pharmacy teams work closely with specialists' offices, administration clinics, hospitals, long term care institutions and other stakeholders to simplify the ordering, delivery, administration and reimbursement of specialized ophthalmic treatments and other specialty drug therapies treating a wide range of chronic conditions.

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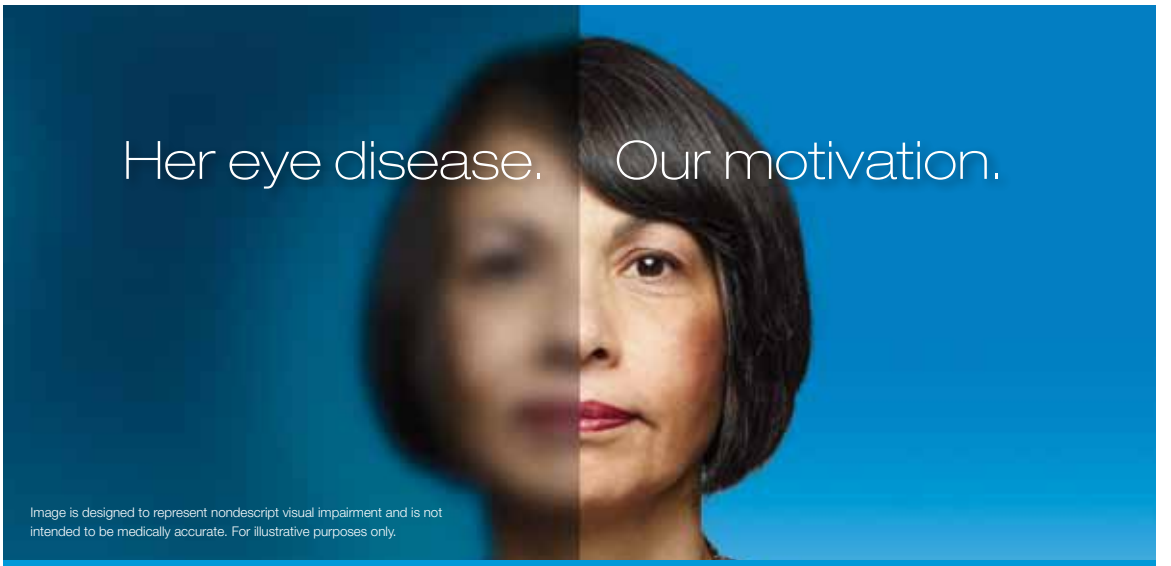
SEPTEMBER, 15-17, 2016

UVEITIS – 2016



Santen is proud to sponsor the COS Annual Meeting

To learn how Santen is advancing the ophthalmic field, visit **www.santen.com**.

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At Santen, our single focus in ophthalmology enables research of novel therapies in uveitis, glaucoma, and dry eye/corneal disorders—therapies determined to challenge eye disease, one patient at a time.

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EYE PHYSICIANS AND SURGEONS OF ONTARIO

ONTARIO'S LEADERS IN EYE CARE

The Eye Physicians and Surgeons of Ontario are pleased to sponsor the Canadian Ophthalmological Society's 2016 Annual General Meeting and Exhibition.

We hope all attendees enjoy the weekend, and your time in Ontario!

SKILLS TRANSFER COURSE CONTRIBUTORS
COLLABORATIONS AUX COURS DE TRANSFERT DE COMPÉTENCES

COS gratefully acknowledges the support of the following corporate contributors, each of whom has provided an unrestricted grant or in-kind support of our Surgical Skills Transfer Courses. Their generous support allows us to offer specialized workshops focused not only on clinical education, but also practice management skills, ethical decision-making, evidence-based care and managed care principles. Our STC Contributors help to advance specialized ophthalmic education and provide better patient care.

La SCO remercie sincèrement de leur soutien et de leurs contributions les entreprises suivantes, qui ont versé une subvention non restreinte ou apporté un soutien en nature à nos cours de transfert de compétences. Leur générosité a permis d'offrir des ateliers spécialisés qui ont porté non seulement sur la formation clinique mais aussi sur les compétentes de gestion de la pratique, la prise de décision étique et les principes de gestion des soins fondés sur les données probantes. Nos commanditaires des CTC aident à faire progresser la formation ophtalmique spécialisée et à améliorer la prestation des soins aux patients.

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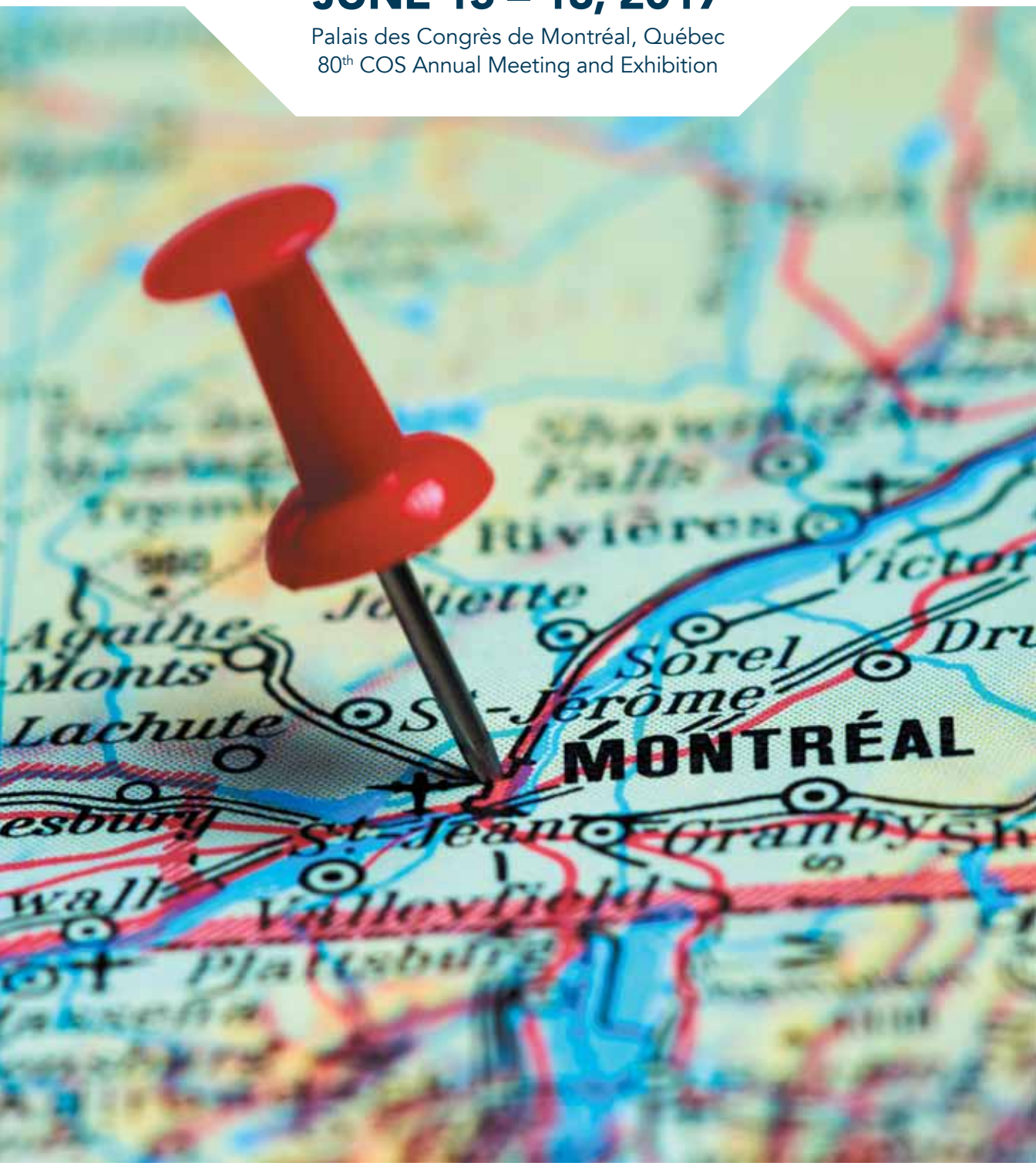
2017 Annual Meeting –
SAVE THE DATE

JUNE 15 – 18, 2017

Palais des Congrès de Montréal, Québec
80th COS Annual Meeting and Exhibition



Canadian Ophthalmological Society
Société canadienne d'ophtalmologie
EYE PHYSICIANS AND SURGEONS OF CANADA | MÉDECINS ET CHIRURGIENS OPHTALMOLOGISTES DU CANADA

Canadian Ophthalmological Society
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Ottawa, ON K1Z 8R9
T : 613-729-6779 | 800-729-7209
cos@cos-sco.ca
www.cos-sco.ca

2016

ANNUAL MEETING & EXHIBITION

CONGRÈS ANNUEL ET EXPOSITION

AFFILIATED SOCIETIES AND SPECIAL INTEREST GROUPS

Canadian Association of Pediatric Ophthalmology and Strabismus
Canadian Cornea, External Disease & Refractive Surgery Society
Canadian Glaucoma Society
Canadian Neuro-ophthalmology Society
Canadian Ocular Regenerative Medicine Society
Canadian Ophthalmic Pathology Society
Canadian Retina Society
Canadian Society for International and Public Health Ophthalmology
Canadian Society of Oculoplastic Surgeons
Canadian Uveitis Society
Cataract Surgery
Council of Canadian Ophthalmology Residents
Vision Rehabilitation

ALLIED HEALTH

Canadian Society of Ophthalmic Medical Personnel
Canadian Society of Ophthalmic Registered Nurses
The Canadian Orthoptic Society

SOCIÉTÉS AFFILIÉES ET GROUPES D'INTÉRÊT PARTICULIER

Association canadienne des ophtalmologistes pédiatriques et strabisme
Chirurgie de la cataracte
Le Conseil des résidents en ophtalmologie au Canada
Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive
Société canadienne du glaucome
Société canadienne de médecine oculaire régénérative
Société canadienne de la neuro-ophtalmologie
Société canadienne de la pathologie oculaire
Société canadienne de la rétine
Société canadienne de l'ophtalmologie internationale et de la santé publique
Société canadienne de chirurgie oculoplastique
Société canadienne de l'uvéite
Réadaptation visuelle

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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