

MONTRÉAL

ANNUAL MEETING & EXHIBITION
CONGRÈS ANNUEL ET EXPOSITION



Canadian Ophthalmological Society
Société canadienne d'ophtalmologie

EYE PHYSICIANS AND SURGEONS OF CANADA
MÉDECINS ET CHIRURGIENS OPHTALMOLOGISTES DU CANADA



JUNE 15-18 JUIN, 2017
PALAIS DES CONGRÈS | MONTRÉAL, QUÉBEC, CANADA

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80 YEARS OF EVIDENCE, EDUCATION AND INNOVATION IN EYE HEALTH
ANS DE RECHERCHE, D'INNOVATIONS ET D'ENSEIGNEMENT EN SANTÉ OCULAIRE

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La Société canadienne d’ophtalmologie et les sociétés affiliées remercient sincèrement de leur participation les entreprises suivantes qui ont individuellement versé des subventions de formation non restreintes, apportant ainsi leur appui au congrès annuel.

PLATINUM | PLATINE



GOLD | OR



SILVER | ARGENT



BRONZE | BRONZE



AMBASSADOR | AMBASSADEUR



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	Room Salle 517A	Room Salle 518AB	Room Salle 519 AB
THURSDAY JUNE 15 JEUDI 15 JUIN			
0800-1700 (lunch at noon) (Dîner à midi)	Committee Meetings (Various Locations) <i>Réunions (Divers endroits)</i> (p.14)	0800-1645 Pathology Annual Meeting <i>Congrès annuel de pathologie</i> (p.32)	1200-1730 Symposium for Young Ophthalmologists and Residents <i>Symposium pour les jeunes ophtalmologistes et les résidents</i> (p. 34)
1800-1900	Welcome Reception (Room 720) <i>Réception d'accueil (Salle 720)</i>		
FRIDAY JUNE 16 VENDREDI 16 JUIN			
0630-0800			SOS! – Saving the Ocular Surface <i>SOS! – Protéger la surface oculaire</i> (p. 42)
0700-0800	Breakfast <i>Petit déjeuner</i> (Foyer 517BC)		
0800-1000	Current Concepts I <i>Notions courantes I</i> (p. 44)		
1000-1045	Break in the Exhibit Hall <i>Pause dans la salle d'exposition</i>		
1045-1215	Glaucoma Workshop: Breaking down the OCT <i>Atelier : TCO du glaucome</i> (p. 45)	Oculoplastics for the Comprehensive Ophthalmologist: What You Need to Know to Get Through Your Day! <i>Oculoplastie pour l'ophtalmologiste généraliste : Ce qu'il faut savoir pour survivre !</i> (p. 46)	Going for Broke: Vitreoretinal Surgery Throwdown! <i>Jouer le tout pour le tout en chirurgie vitréo-rétinienne !</i> (p. 47)
1215-1330	COS Annual General Meeting (Room 517A) <i>Assemblée générale annuelle de la SCO (Salle 517A)</i>		
1330-1500	Under Pressure: Cataract Surgery in the Glaucoma Patient <i>Sous pression : La chirurgie de la cataracte chez les patients glaucomeaux</i> (p. 50)	Bumpy Eyelids and Watery Eyes: Oculoplastics Free Papers <i>Bosses sur les paupières et yeux larmoyants : Exposés libres en oculoplastie</i> (p. 51)	Clinical Trials & Injectables: Think Before You Inject <i>Essais cliniques et injections : Réfléchir avant de traiter</i> (p. 52)
1500-1545	Break in the Exhibit Hall <i>Pause dans la salle d'exposition</i>		
1545-1715	Structure and Function in Glaucoma: Where are we now? <i>Structure et fonctionnement du glaucome : Où en sommes nous?</i> (p. 55)	Why You Shouldn't Have Skipped Your Eyelid and Orbital Anatomy Lectures! Oculoplastics Free Papers <i>Pourquoi vous n'auriez pas dû manquer vos cours sur l'anatomie de la paupière et de l'orbite ! Exposés libres en oculoplastie</i> (p. 56)	Emerging Observations in Imaging, Inflammation & Oncology <i>Observations émergentes : Imagerie, inflammation et oncologie</i> (p. 57)
SATURDAY JUNE 17 SAMEDI 17 JUIN			
0630-0800			Make IOL Calculations Great Again <i>Restaurer la grandeur : Des calculs liés aux LJO</i> (p. 64)
0700-0800	Breakfast <i>Petit déjeuner</i> (Foyer 517BC)		
0800-1000	Current Concepts II <i>Notions courantes II</i> (p. 66)		
1000-1045	Break in the Exhibit Hall <i>Pause dans la salle d'exposition</i>		
1045-1215	The Big Picture: Improving Glaucoma Care <i>Vue d'ensemble : Améliorer le traitement du glaucome</i> (p. 67)	Cornea and Refractive Showdown <i>Dans l'arène : Des chirurgies cornéennes et réfractives</i> (p. 68)	The Cataract Surgeon's Toolbox to Manage the Difficult Cataract <i>Le coffre à outil du chirurgien de la cataracte pour traiter les cas complexes</i> (p. 69)
1215-1330	President's Luncheon (Invite Only) <i>Dîner du Président (Sur invitation seulement)</i>		
1330-1500	Intraoperative Tips and Post-Operative Management in Glaucoma <i>Conseils peropératoires et gestion postopératoire du glaucome</i> (p. 71)	New Strategies for Old Corneal Issues <i>De nouvelles stratégies pour d'anciens problèmes de cornée</i> (p. 72)	Ergonomics: Tell Me, Doctor, Where Does it Hurt? <i>Ergonomie : Dites-moi, docteur, où avez-vous mal?</i> (p. 73)
1500-1545	Break in the Exhibit Hall <i>Pause dans la salle d'exposition</i>		
1545-1715	Glaucoma Surgery: Free Papers <i>Chirurgie du glaucome : Exposés libres</i> (p. 75)	Things That Make You Go Hmm: Latest Options in Refractive Corneal Surgery <i>Ces choses qui vous laissent perplexes : Nouveautés en chirurgie réfractive de la cornée</i> (p. 76)	Clinical Update: Retina <i>Mise à jour clinique : Rétine</i> (p. 77)
1900	Subspecialty Dinners <i>Soupers des sociétés affiliées</i>		
SUNDAY JUNE 18 DIMANCHE 18 JUIN			
0630-0800			Location: Room Salle 516C WIO Symposium: The Challenges Faced by Women in Research <i>Symposium WIO : Les défis d'une femme en recherche</i> (p. 84)
0700-0800	Breakfast <i>Petit déjeuner</i> (Foyer 517BC)		
0800-1000	Current Concepts III <i>Notions courantes III</i> (p. 85)		
1000-1045	Break in the Exhibit Hall <i>Pause dans la salle d'exposition</i>		
1045-1215	Think BIG – MIGS and Other Therapies for the Cataract Surgeon <i>Voir GRAND – Les MIGS et autres techniques pour le chirurgien de la cataracte</i> (p. 86)	Retinal Imaging Workshop <i>Atelier : Imagerie rétinienne</i> (p. 87)	Low Vision Rehabilitation: Doing it Right, Doing it Meaningfully <i>Réadaptation visuelle de patients à faible vision : Bien le faire et de manière judicieuse</i> (p. 88)
1215-1330	Lunch in the Exhibit Hall <i>Dîner dans la salle d'exposition</i>		
1330-1500	What's Up Doc? New Research in Cataract <i>Quoi de neuf, docteur? De nouvelles recherches dans le traitement de la cataracte</i> (p. 90)	Eliminating Avoidable Blindness in Canada and Around the Globe <i>Éliminer les cas de cécité évitables au Canada et ailleurs</i> (p. 92)	Exploring the Frontiers of Component Surgery of the Cornea <i>Explorer les limites de la chirurgie des composants de la cornée</i> (p. 93)
1500-1545	Break <i>Pause</i> (Foyer 517BC)		
1545-1715	Keep Calm: Challenging Cataract Surgeries <i>Restons calme : Chirurgies complexes de la cataracte</i> (p. 95)		Making the Ocular Surface Great Again <i>Redonner sa grandeur à la surface oculaire</i> (p. 96)

Room Salle 522 ABC		Room Salle 524AB	Room Salle 524C	
			1300-1700 TCOS Workshop Atelier LSCO (p. 111)	0800-1700 (lunch at noon) (Dîner à midi)
Welcome Reception (Room 720) Réception d'accueil (Salle 720)				1800-1900
				0630-0800
Breakfast Petit déjeuner (Foyer 517BC)				0700-0800
			CSORN SCIIIO (p. 112)	0800-1000
Break in the Exhibit Hall Pause dans la salle d'exposition				1000-1045
Towards a Better Understanding of Some Neuro-ophthalmic Conditions <i>Vers une meilleure compréhension de certaines maladies neuro-ophtalmiques (p. 49)</i>	STC: Strabismus <i>CTC : Strabisme (p. 102)</i>	CSORN SCIIIO (p. 112)		1045-1215
Lunch in the Exhibit Hall Dîner dans la salle d'exposition				1215-1330
Some Not-So-Common Neuro-ophthalmic Conditions <i>Des maladies neuro-ophtalmiques pas si fréquentes (p.54)</i>	STC: Glaucoma – MIGS <i>CTC : Glaucome – MIGS (p. 103)</i>	CSORN SCIIIO (p. 112)		1330-1500
Break in the Exhibit Hall Pause dans la salle d'exposition				1500-1545
Clinical update: Pediatrics - Genetic Testing, ROP Screening and UBM/OCT for Strabismus <i>Pédiatrie : Mise à jour clinique - Tests génétiques, détection de la rétinopathie du prématuré et UBM/TCO pour le strabisme (p. 58)</i>	STC: Cornea – SLET <i>CTC : Cornée – SLET (p. 104)</i>	CSORN SCIIIO (p. 112)		1545-1715
				0630-0800
Breakfast Petit déjeuner (Foyer 517BC)				0700-0800
		CSOMP SCPMO (p. 113)		0800-1000
Break in the Exhibit Hall Pause dans la salle d'exposition				1000-1045
Pediatrics for the Comprehensive Ophthalmologist <i>Pédiatrie pour l'ophtalmologiste complet (p. 70)</i>	STC: Retina – Scleral Fixated IOL Implants <i>CTC : Rétine – Implants LIO à fixation sclérale (p. 105)</i>	CSOMP SCPMO (p. 113)		1045-1215
Lunch in the Exhibit Hall Dîner dans la salle d'exposition				1215-1330
Retinopathy of Prematurity, Strabismus and Albinism <i>Rétinopathie du prématuré, strabisme et albinisme (p. 74)</i>	STC: Cataract – Anterior Vitrectomy <i>CTC : Cataracte – Vitrectomie antérieure (p. 106)</i>	CSOMP SCPMO (p. 113)		1330-1500
Break in the Exhibit Hall Pause dans la salle d'exposition				1500-1545
Pediatrics: Pot-pourri <i>Pédiatrie : Pot-pourri (p. 78)</i>	STC: Cataract (Repeat) – Anterior Vitrectomy <i>CTC : Cataracte (reprise) – Vitrectomie antérieure (p. 106)</i>	CSOMP SCPMO (p. 113)		1545-1715
Subspecialty Dinners Soupers des sociétés affiliées				1900
				0630-0800
Breakfast Petit déjeuner (Foyer 517BC)				0700-0800
		TCOS LSCO (p. 114)		0800-1000
Break in the Exhibit Hall Pause dans la salle d'exposition				1000-1045
Ocular Regenerative Medicine <i>Médecine oculaire régénérative (p. 89)</i>	STC: Oculoplastics – Botulinum <i>CTC : Oculoplastie – Toxine botulique (p. 107)</i>	TCOS LSCO (p. 114)		1045-1215
Lunch in the Exhibit Hall Dîner dans la salle d'exposition				1215-1330
Symposium: The Top Five in Uveitis <i>Symposium sur l'uvéïte : Le top cinq du traitement de l'uvéïte (p. 94)</i>		TCOS LSCO (p. 114)		1330-1500
Break Pause (Foyer 517BC)				1500-1545
What's New in Uveitis? <i>Uvéïte : Quoi de neuf dans le domaine? (p. 97)</i>		TCOS LSCO (p. 114)		1545-1715

PRESIDENT'S MESSAGE

Dear Colleague,

It is with great pleasure that I welcome you to Montréal for the Canadian Ophthalmological Society's 80th Annual Meeting and Exhibition. To mark our 80th Anniversary, this year's theme is: *80 Years of Evidence, Education and Innovation in Eye Health*.

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.

The Planning Committee, chaired by Dr. Yvonne M. Buys, has once again developed an excellent scientific program featuring eighteen internationally renowned guest speakers. I would also like to acknowledge the wonderful work done by all of the Session Chairs and the COS staff team, all of whom have worked tirelessly to help organize an outstanding scientific meeting.

Some exciting things to look forward to include:

- The Welcome Reception on Thursday, June 15 from 1800 – 1900 on the rooftop of the Palais des congrès, where you will have the opportunity to mingle with old friends and colleagues.
- The *Lifetime Achievement Award* ceremony on Friday, June 16 during Current Concepts. This year's recipient is Dr. Seymour Brownstein 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 Friday, June 16 from 1215 – 1330. Lunch will be provided.
- As usual, there will be an extensive display of state-of-the-art ophthalmic equipment by our 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 Association des médecins ophtalmologistes du Québec (AMQ) towards this meeting. Your strong support is truly appreciated.

I would like to wish you a wonderful conference.



Guillermo Rocha, MD FRCSC FACS
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 Montréal pour le 80^e congrès annuel et l'exposition de la Société canadienne d'ophtalmologie (SCO). Pour marquer notre 80^e anniversaire, nous avons choisi comme thème : *80 ans de recherche, d'innovations et d'enseignement en santé oculaire*.

Le congrès annuel et l'exposition de la SCO constituent le plus grand rassemblement d'ophtalmologistes, de chirurgiens ophtalmologistes et de membres de professions connexes au Canada. Cet événement rassemble les personnes qui travaillent sans relâche dans tous les secteurs de la santé oculaire - de la recherche aux soins des patients - et favorise les interactions 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.



Le Comité de planification, présidé par la D^{re} Yvonne M. Buys, a une nouvelle fois élaboré un excellent programme scientifique proposant 18 conférenciers de renommée internationale. J'aimerais également souligner le travail formidable accompli par tous les présidents de séances et l'équipe du personnel de la SCO, qui ont travaillé sans relâche à l'organisation d'un congrès scientifique exceptionnel.

Entre autres faits saillants, soulignons :

- La réception de bienvenue du jeudi 15 juin, de 18 h à 19 h, sur le toit du Palais des congrès, où vous aurez l'occasion de retrouver d'anciens collègues et amis.
- La cérémonie du *prix de Reconnaissance pour l'ensemble d'une carrière* du vendredi 16 juin, pendant la séance Notions courantes. Le lauréat de cette année est le Dr Seymour Brownstein, dont la contribution a eu des retombées significatives et durables sur l'ophtalmologie, tant au niveau national qu'international.
- Pour les membres, l'Assemblée générale annuelle de la SCO le vendredi 16 juin de 12 h 15 à 13 h 30. Le repas du midi sera fourni.
- Comme à l'habitude, un large éventail de matériel et d'instruments ophtalmologiques de pointe sera présenté par nos partenaires de l'industrie. La SCO est très reconnaissante à ses partenaires de leur généreuse contribution et de leur engagement continu envers la communauté ophtalmologique canadienne.

Nous tenons également à souligner le très généreux soutien de l'Association des médecins ophtalmologistes du Québec (AMQQ) pour l'organisation de ce congrès. Nous vous en remercions chaleureusement.

Je vous souhaite un merveilleux congrès.

A handwritten signature in black ink, appearing to read 'Guillermo Rocha'.

Guillermo Rocha, MD, FRCSC, FACS

Président de la SCO et président du Conseil d'administration de la SCO

MESSAGE FROM THE MEETING CHAIR

On behalf of the 2017 Annual Meeting Planning Committee, welcome to the 80th 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. At the meeting this year, we will celebrate *80 Years of Evidence, Education, and Innovation in Eye Health* and will present new perspectives in ophthalmology including cutting edge surgical innovations, state-of-the-art advances in ophthalmic diagnostics and evidence-based updates.

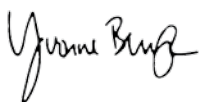
To complement our lectures, case-based presentations and workshops, we have a full roster of Surgical Skills Transfer Courses to provide hands-on surgical technique training; including a new course in Retina, entitled *Scleral fixated intraocular lens implants* and another in Oculoplastics, entitled *Botulinum: Smooth Moves*. New this year, we will host a 90-minute session on ergonomics for the practicing ophthalmologist on Saturday, June 17 from 1330 – 1500. Please be sure to visit our Exhibit Hall where our exhibitors will be displaying the latest in eye care technologies and innovations.

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

- George Matos will deliver the COS Lecture entitled “Re-attaching the focus on body mechanics and ergonomics” (p. 66)
- Dr. Jyortirmay Biswas will deliver the *Canadian Journal of Ophthalmology* Lecture entitled “Uveitis – Search for the cause” (p. 85)

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. And of course, thank you to our sponsors. Your support of this program through educational grants is truly appreciated.

Your feedback is vital to the ongoing success of our Annual Meeting and I invite you to share any input you have. I hope that the next few days provide the perfect balance of learning and “joie de vivre” in the beautiful city of Montréal!



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



MOT DE LA PRÉSIDENTE DU CONGRÈS

Au nom du Comité de planification du congrès annuel 2017, je vous souhaite la bienvenue au 80^e 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 congrès de cette année célébrera *80 ans de recherche, d'innovations et d'enseignement en santé oculaire*, offrira de nouveaux points de vue en ophtalmologie et présentera des innovations en chirurgie, les récentes avancées sur le plan du diagnostic et les dernières données probantes.

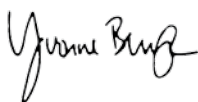
Outre nos conférences et nos présentations et ateliers interactifs, nous vous proposons un bel éventail de cours de transfert de compétences offrant une formation chirurgicale pratique, dont un nouveau cours sur la rétine, *Implant intraoculaire de lentille à fixation sclérale*, et un en oculoplastie, *Toxine botulique, en douceur*. Une nouveauté cette année : nous tiendrons le samedi 17 juin une séance de 90 minutes sur l'ergonomie chez les ophtalmologistes de 13 h 30 à 15 h. Ne manquez pas non plus notre salon des exposants, où vous découvrirez les dernières technologies et innovations en soins oculaires.

Nous sommes fiers d'accueillir à Montréal 18 conférenciers des quatre coins du monde, notamment :

- George Matos, qui prononcera la Conférence de la SCO intitulée *Re-attaching the focus on body mechanics and ergonomics* (p. 66)
- Le Dr Jyortirmay Biswas, qui prononcera la Conférence du *Journal canadien d'ophtalmologie* intitulée *Uveitis – Search for the cause* (p. 85)

J'aimerais exprimer ma sincère gratitude à tous nos conférenciers, au Comité de planification du congrès annuel, aux panélistes et aux animateurs pour de 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. Et bien sûr, merci à nos commanditaires de soutenir ce programme par des subventions de formation.

Je vous invite à nous faire part de vos commentaires, quels qu'ils soient, car ils sont essentiels au succès de nos prochains congrès. J'espère que les prochains jours vous offriront un équilibre parfait de formation et d'agrément dans la belle ville de Montréal!



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



GREETINGS FROM THE MAYOR SALUTATIONS DU MAIRE

C'est un honneur pour Montréal d'être l'hôte du 80^e congrès annuel et exposition de la Société canadienne d'ophtalmologie. Et c'est avec un réel plaisir que je souhaite la plus cordiale bienvenue à tous les participants venus célébrer *80 ans de recherche, d'innovations et d'enseignement en santé oculaire*.

Ce rendez-vous permet à la communauté scientifique de se familiariser avec les derniers développements en recherche, de présenter ses plus récents travaux, de débattre de questions d'actualité au niveau du diagnostic et du traitement des maladies de l'œil. Ce cadre stimulant est propice au partage de nouveaux savoirs et la Ville de Montréal, qui reconnaît l'importance de soutenir l'innovation en médecine, était toute désignée pour accueillir cet événement annuel.

Nul doute que les échanges qui auront lieu pendant ces quatre jours permettront d'enrichir la profession et favoriseront la communication entre les différents intervenants du milieu venus de partout. Votre présence ici confirme Montréal comme ville de savoir et pôle de recherche en santé.

Je tiens à féliciter les organisateurs pour leur travail colossal et je souhaite à tous les congressistes des échanges fructueux et un excellent séjour à Montréal. Profitez-en pour vous ressourcer tout en découvrant la personnalité unique de Montréal, une ville accueillante, festive et inspirante.



It is an honour for Montréal to play host to the Canadian Ophthalmology Society's 80th Annual Meeting and Exhibition. And it gives me great pleasure to warmly welcome all the participants who've come to celebrate *80 years of Evidence, Education and Innovation in eye health*.

This event allows the scientific community to learn about recent developments in research, present the latest advances and debate current issues related to the diagnosis and treatment of eye disorders. This stimulating setting is conducive to sharing new knowledge, and the city, recognizing the importance of supporting innovation in medicine, was ideally suited to hosting this annual event.

The exchanges that will take place over the next four days are sure to enrich the profession and promote communication between various stakeholders in the field, who've come from all over the world. Your presence here confirms Montréal's status as a city of knowledge and a hub for health research.

My congratulations go out to the organizers for their colossal work, and I wish all the participants an excellent event marked by productive exchanges, and a wonderful stay in Montréal. I hope you take advantage of your time here to recharge your batteries and discover the unique personality of Montréal, a welcoming, festive and inspiring city.

Denis Coderre
Maire de Montréal



GENERAL INFORMATION
RENSEIGNEMENTS GÉNÉRAUX



GENERAL INFORMATION

Registration

Registration desk: Foyer 517BC, Palais des congrès

Thursday, June 15	0730 – 1800
Friday, June 16	0630 – 1730
Saturday, June 17	0630 – 1730
Sunday, June 18	0630 – 1600

Speaker Information and AV Assistance

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

- You can make changes to your presentation up to one hour before the start of your session
- If necessary, edit and revise your presentation the day before your scheduled talk
- 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

The speaker preview room is located in **Room 521A** on the fifth floor of the Palais des congrès and will be open during the following hours:

Wednesday, June 14	1500 – 1800
Thursday, June 15	0700 – 1715
Friday, June 16	0630 – 1715
Saturday, June 17	0630 – 1715
Sunday, June 18	0700 – 1545

Exhibition Hall Hours – Room 517BCD

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 exhibit 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.

Friday, June 16	0930 – 1700
Saturday, June 17	0930 – 1800
Sunday, June 18	0930 – 1330

RENSEIGNEMENTS GÉNÉRAUX

Inscription

Bureau d'inscription : Foyer 517BC, Palais des congrès

Judi 15 juin	0730 – 1800
Vendredi 16 juin	0630 – 1730
Samedi 17 juin	0630 – 1730
Dimanche 18 juin	0630 – 1600

Information pour les conférenciers et assistance audiovisuel

Les conférenciers peuvent prévisualiser leurs présentations, apporter des modifications ou obtenir l'aide du personnel audiovisuel sur place.

- Vous pourrez apporter des modifications à votre présentation jusqu'à l'heure précédant la session durant laquelle votre présentation aura lieu
- Réviser et corriger votre présentation, si nécessaire, le jour précédant votre présentation
- 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 reçu 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

La salle d'aperçu des conférenciers est située dans la **Salle 521A** au cinquième étage du Palais des congrès and sera ouvert pendant les heures suivantes :

Mercredi 14 juin	1500 – 1800
Judi 15 juin	0700 – 1715
Vendredi 16 juin	0630 – 1715
Samedi 17 juin	0630 – 1715
Dimanche 18 juin	0700 – 1545

Heures d'exposition – Salle 517BCD

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.

Vendredi 16 juin	0930 – 1700
Samedi 17 juin	0930 – 1800
Dimanche 18 juin	0930 – 1330

COS ANNUAL GENERAL MEETING

ASSEMBLÉE GÉNÉRALE ANNUELLE DE LA SCO

Friday, June 16 | Vendredi 16 juin

1215 – 1330 • Room | Salle 517A

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, 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.

COMMITTEE, COUNCIL AND BOARD MEETINGS

RÉUNIONS DES COMITÉS, DES CONSEILS ET DU CONSEIL D'ADMINISTRATION

Note: All meetings will take place at the Palais des congrès

Note : Toutes les réunions auront lieu au Palais des congrès

TIME HEURE	MEETING NAME SÉANCE	MEETING ROOM SALLE (PALAIS DES CONGRÈS)	CONTACT
Wednesday, June 14 Mercredi 14 juin			
1900 – 2130	Canadian Orthoptic Council Board Meeting	521C	Ann Haver
Thursday, June 15 Jeudi 15 juin			
0800 – 1100	ACUPO	523B	Debra Munroe
0800 – 1030	Program Directors	523A	Debra Munroe
0800 – 1500	Royal College Meeting	518C	Debra Munroe
0900 – 1000	MOC Committee	525AB	Colin Mann
1000 – 1400	COS Board of Directors Meeting	521C	Guillermo Rocha
1400 – 1700	Eye Bank Committee Meeting	523B	Patricia-Ann Laughrea
1530 – 1630	COS Meeting with ACUPO and Subspecialty Society Presidents	525AB	Guillermo Rocha
1630 – 1800	Council on Advocacy	521C	Phil Hooper
1635 – 1645	Canadian Ophthalmic Pathology Society	518AB	Valerie White
1655 – 1730	Council of Canadian Ophthalmology Residents	519AB	Amandeep Rai
1700 – 1800	Comité Médical Expert TDRD	518C	Marie-Carole Boucher
1900 – 2230	Canadian Orthoptic Council AGM	521C	Ann Haver

Friday, June 16 Vendredi 16 juin			
0630 – 1700	COMT Performance Test	521C	Debbie Mason
0700 – 0830	CCOTP Meeting	523A	Jeffrey Locke
0830 – 1000	TCOS Executive Business Meeting	523A	Jeffrey Locke
1115 – 1215	Canadian Society of Ophthalmic Registered Nurses	524C	Carole Descharnais
1215 – 1330	COS Annual General Meeting	517A	Guillermo Rocha
1450 – 1500	Canadian Neuro-Ophthalmology Society	522ABC	Amadeo Rodriguez
1715 – 1745	Canadian Society of Oculoplastic Surgeons	518AB	Bryan Arthurs
Saturday, June 17 Samedi 17 juin			
0630 – 0800	Repeat Laser Study Meeting	521C	Faten Bahnacy
0800 – 1100	TCOS Annual General Meeting	518C	Jeffrey Locke
1640 – 1715	Canadian Glaucoma Society	517A	Jamie Taylor
1715 – 1730	Canadian Cornea, External Disease & Refractive Surgery Society	518AB	Kashif Baig
1715 – 1815	CAPOS	522ABC	Jane Gardiner
1730 – 1800	Canadian Retina Society	519AB	Amin Kherani
Sunday, June 18 Dimanche 18 juin			
1200 – 1330	COS Annual Meeting Planning Committee Debrief	518C	Yvonne M. Buys
1200 – 1215	Canadian Ocular Regenerative Medicine Society	522ABC	Allan Slomovic

The COS is on Twitter! Join the conversation by using **#COSAnnual2017**.
 La SCO est sur Twitter! Joignez-vous à la conversation en utilisant le mot-clic **#COSAnnual2017**.



@CanEyeMDs

SOCIAL EVENTS | ACTIVITÉS SOCIALES

Please join us for a glass of cheer and help us celebrate the 2017 COS Annual Meeting. These events are great opportunities to network with our international speakers, special guests, sponsors, and exhibitors. Renew old acquaintances and make new friends with colleagues from across Canada.

Venez porter un toast pour célébrer l'assemblée générale annuelle de la SCO 2017. Ces activités sont des occasions idéales pour tisser des liens avec nos conférenciers invités, notre corps professoral, nos commanditaires et nos exposants. Retrouvez des connaissances et nouez de nouvelles amitiés avec des collègues de partout au Canada.

WELCOME RECEPTION

RÉCEPTION D'ACCUEIL

Thursday, June 15 | Jeudi 15 juin

1800 – 1900 • Room | Salle 720

The Welcome Reception on the 7th floor at the Palais des congrès overlooks the historic city of Montréal. Enjoy these spectacular views, while renewing ties with old friends and colleagues.

La réception d'accueil se tiendra au 7^e étage du Palais des congrès, qui surplombe la ville historique de Montréal. Profitez de la vue spectaculaire tout en renouant avec d'anciens amis et collègues.

CNIB RECEPTION

RÉCEPTION ORGANISÉE PAR INCA

Saturday, June 17 | Samedi 17 juin

1730 – 1900 • Room | Salle 518C

A celebration reception for the CNIB Eye Van's 45th anniversary will be held at the Palais des congrès. Join us for this special event as we recognize our many doctors and partners in ophthalmology that have contributed to our success. The concept of a mobile ophthalmology clinic to service remote areas in Northern Ontario was first established in 1971, jointly conceived by the Ontario Medical Association and the CNIB. The Eye Van continues to be a remarkable feat of travelling technology and community organization. This event is proudly sponsored by Bayer Inc.

Une réception se tiendra au Palais des congrès pour célébrer le 45^e anniversaire de la Clinique ophtalmologique mobile d'INCA. Rejoignez-nous pour cet événement spécial au cours duquel nous rendrons hommage aux ophtalmologistes et autres partenaires qui ont contribué à notre succès. Le concept d'une clinique ophtalmologique mobile visitant les régions éloignées du Nord de l'Ontario a été introduit en 1971 et réalisé conjointement par l'Ontario Medical Association et l'INCA. La clinique mobile représente encore aujourd'hui un remarquable tour de force unissant des technologies mobiles et l'organisation communautaire. Bayer Inc. est fier de commanditer cette réception.

CANMEDS AT THE COS ANNUAL MEETING

CANMEDS AU CONGRÈS ANNUEL DE LA SCO

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.

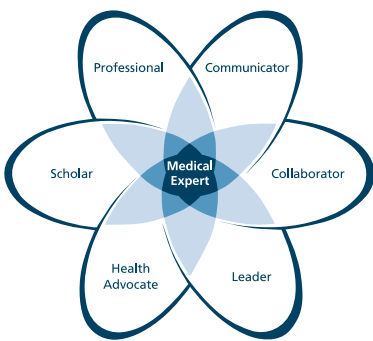
CanMEDS identifies and describes seven roles that lead to optimal physician performance, care delivery and health care outcomes. These roles include: Medical Expert (central role), Communicator, Collaborator, Leader, Health Advocate, Scholar and Professional.

The 2017 COS Annual Meeting program 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 CanMEDS diagram 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 2017 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 schéma 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.

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
- Enhance or develop new skills through hands-on learning experience in a Surgical Skills Transfer Course
- 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 2017 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 **31 credit hours**.

Through an agreement between the American Medical Association (AMA) and the RCPSC, the 2017 COS Annual Meeting, as a live educational activity, qualifies for AMA PRA category 1 credits.

Live educational activities recognized by the Royal College of Physicians and Surgeons of Canada as Accredited Group Learning Activities (Section 1) are deemed by the European Union of Medical Specialists (UEMS) eligible for ECMEC®.

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 in the Palais des congès foyer or online at **www.cos2017.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 28. After August 4, login to Mainport to claim your credits

Paper certificates of attendance are also available upon request at the registration desk.

DÉVELOPPEMENT PROFESSIONNEL CONTINU

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 internationales
- Discuter des récentes percées dans le diagnostic et le traitement des maladies oculaires
- Comparer les concepts de base, les nouvelles avancées et les expériences cliniques en échangeant avec des collègues et des conférenciers de renommée internationale
- Améliorer leurs compétences ou en acquérir de nouvelles grâce à un cours de transfert de compétences offrant une formation chirurgicale pratique
- Découvrir des technologies nouvelles et innovantes, et discuter des nouveautés dans le traitement et les dispositifs médicaux avec des représentants de l'industrie au salon d'exposition

Crédits de DPC du programme Maintien du certificat (MDC)

Crédits de la Section 1

Le congrès annuel 2017 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 **31 crédits**.

Conformément à une entente entre l'Association médicale américaine (AMA) et le CRMCC, les médecins qui assisteront au congrès annuel de la SCO 2017 pourront accumuler des crédits PRA de catégorie 1 de l'AMA puisqu'il s'agit d'une activité éducative interactive.

La participation en direct à des activités éducatives reconnues par le Collège royal des médecins et chirurgiens du Canada rend les participants admissibles à des crédits européens de formation continue (ECMEC®) attribués par l'Union européenne des médecins spécialistes (UEMS).

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 Palais des congrès et en ligne à **www.cos2017.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 28 juillet. Après le 4 août ouvrez une séance dans Mainport pour réclamer vos crédits

Vous pouvez obtenir un certificat de participation sur papier en vous adressant au bureau d'inscription.

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 • *Andrew Crichton, MD & Hady Saheb, 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 • *Karim Hammamji, MD & Amin Kherani, 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 P. Holland, MD*

Canadian Society of Oculoplastic Surgeons | Société canadienne de chirurgie oculoplastique • *Navdeep Nijhawan, MD*

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

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

Council of Canadian Ophthalmology Residents | Le Conseil des résidents en ophtalmologie au Canada • *Amandeep Rai, MD*

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

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

Ergonomics | Ergonomie • *Lorne Bellan, MD*

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

Awards/Posters | Prix/Présentations d'affiches • *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) • *Jeffrey Locke, OC(C), COMT & Liz Carson, OC(C)*

Canadian Society of Ophthalmic Registered Nurses (CSORN) | Société canadienne des infirmières et infirmiers en ophtalmologie (SCIIO) • *Carole Desharnais, RN, BScN, MSc*

Canadian Ophthalmological Society | Société canadienne d'ophtalmologie

Jennifer Brunet-Colvey, Executive Director & Chief Executive Officer • Chef de direction

Cheryl Ripley, Manager, Continuing Professional 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

Christine Friske, Coordinator, Meeting Logistics & Exhibits • Coordonnatrice, Organisation des réunions & d'exposition

Courtney Vaz, Coordinator, Communications and Public Affairs • Coordonnatrice, Communications et affaires publiques

Gail Faddies, Coordinator, Governance • Coordonnatrice à la gouvernance

Caitlin Hubbard-MacLeod, (part-time) Administrative Assistant • Assistante administrative (temps partiel)

Joyce Davis, (part-time) Bookkeeper/Accountant • Comptable (temps partiel)

Suzanne Purkis, (part-time) Managing Editor, Canadian Journal of Ophthalmology • Directrice de la rédaction, Journal canadien d'ophtalmologie (temps partiel)

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

COS Guest Lecturer

Conférencier invité de la SCO
Ergonomics | Ergonomie



George Matos, CAT(C), CSEP-CPT, RCRT, BA Kin
Winnipeg Regional Health Authority
Winnipeg, Manitoba

Cataract | Cataracte



Richard A. Lewis, MD
Sacramento Eye Consultants
Sacramento, California

Cataract | Cataracte



Arsham Sheybani, MD
Washington University School of Medicine
St. Louis, Missouri

Cornea | Cornée



Damien Gatinel, MD
Fondation Ophtalmologique Adolphe de Rothschild
Paris, France

Cornea | Cornée



Jodhbir S. Mehta, BSc (Hons.), MBBS, FRCOphth, FRSC (Ed)
Singapore National Eye Center
Singapore

Glaucoma | Glaucome



Augusto Azuara-Blanco, PhD, FRCS (Ed), FRCOphth
Queen's University Belfast
Belfast, Ireland

Glaucoma | Glaucome



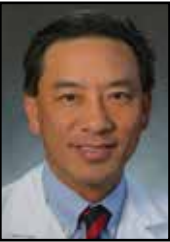
Don Budenz, MD, MPH
UNC Chapel Hill School of Medicine
Chapel Hill, North Carolina

International and Public Health Ophthalmology | Ophtalmologie internationale et santé publique



Nathan Congdon, MD, MPH
Queen's University Belfast
Belfast, Ireland

Neuro-ophthalmology | Neuro-ophtalmologie



Grant Liu, MD
Perelman School of
Medicine, University
of Pennsylvania
*Philadelphia,
Pennsylvania*

**Ocular Regenerative Medicine | Médecine
oculaire régénérative**



**Graziella Pellegrini,
PhD**
Centre for
Regenerative
Medicine, University
of Modena and
Reggio Emilia
*Modena and Reggio
Emilia, Italy*

Oculoplastics | Oculoplasticie



**Alon Kahana, MD,
PhD**
University of Michigan
Kellogg Eye Center
Ann Arbor, Michigan

Oculoplastics | Oculoplasticie



**Rene Rodriguez-
Sains, MD, FACS**
Marshall University
School of Medicine
*Huntington, West
Virginia*

Pathology | Pathologie



**Patricia Chévez-
Barrios, MD**
Houston Methodist
Hospital
Houston, Texas

Pediatrics | Pédiatrie



Arlene Drack, MD
University of Iowa
Health Care
Iowa City, Iowa

Retina | Rétine



Diana V. Do, MD
Stanford University
School of Medicine
Palo Alto, California

Retina | Rétine



Tarek S. Hassan, MD
Oakland University
William Beaumont
School of Medicine
Rochester, Michigan

Uveitis | Uvéite
**CJO Guest Lecturer | Conférencier invité
de la JCO**



**Jyotirmay Biswas,
MS, FMRF, FNAMS,
FIC Path., FAICO**
Sankara Nethralaya
Chennai, India

**Women in Ophthalmology | Les femmes et
l'ophtalmologie**



**Isabelle Brunette,
MD, FRCSC**
Université de
Montréal
Montréal, Quebec

LIFETIME ACHIEVEMENT AWARD

Presented during Current Concepts I (p. 44)

SEYMOUR BROWNSTEIN, MD, FRCSC 2017 LIFETIME ACHIEVEMENT AWARD (LAA)



Dr. Seymour Brownstein has led an exemplary life and career dedicated to the advancement of Ophthalmology and Pathology. As the current “*Les Amis Chair in Vision Science*” and Professor in the Departments of Ophthalmology and Pathology at the University of Ottawa and The Ottawa Hospital, his unique approach to medicine has shaped best practices for decades in the Canadian Ophthalmological landscape.

Dr. Brownstein’s career began at McGill University after completing an MD, CM degree; he specialized in ophthalmic health through attaining his Ophthalmology residency in New York City and a fellowship in Ophthalmic Pathology at the Armed Forces Institute of Pathology in Washington DC. This was followed by a 20-year professorship at McGill University, and then his recruitment in 1992 to the newly established University of Ottawa Eye Institute at The Ottawa Hospital.

Dr. Brownstein’s distinct training and experience has coined him a remarkable leader and expert in the field of Ophthalmology. His resume extends beyond many awards, honors, and grants to include speaking at major Ophthalmology conferences across the Americas and worldwide. He has trained 46 fellows in ophthalmic pathology, most of whom are active in academic ophthalmology.

Dr. Brownstein’s passion for patient-focused research has led to more than 210 peer-reviewed scientific publications and 700 presentations at academic meetings worldwide. His name is globally recognized as a gold standard in the medical community. As an international ambassador for Canadian Ophthalmology/Ophthalmic Pathology, he has been chosen by his peers to be awarded the Zimmerman medal during the Annual Meeting of the American Academy of Ophthalmology (AAO) in New Orleans in November 2017.

Outside of work, Dr. Brownstein spends his time with the love of his life; his wife Hana, their three children and seven grandchildren, all of whom currently reside in Ottawa.

Dr. Brownstein’s lifelong commitment to excellence, expertise, and ingenuity has impacted the lives of countless patients, students and colleagues and will continue to encourage breakthroughs in the field of Ophthalmology.

“ The COS Board of Directors is pleased to recognize Dr. Seymour Brownstein with the 2017 Lifetime Achievement Award. This award is given to those who have made a sustained impact nationally and internationally to the growth of the profession and who have maintained the highest standards of patient care in their practice. Dr. Brownstein has also represented our profession at the highest levels, both professionally and personally.”

– Guillermo Rocha, MD, FRCSC, FACS, COS President and Chair, COS Board of Directors

PRIX DE RECONNAISSANCE POUR L'ENSEMBLE D'UNE CARRIÈRE

Présenté pendant Notions courantes I (p. 44)

SEYMOUR BROWNSTEIN, MD, FRCSC RECONNAISSANCE POUR L'ENSEMBLE D'UNE CARRIÈRE 2017



Le Dr Seymour Brownstein a mené une vie et une carrière exemplaires qui ont été consacrées à l'avancement de l'ophtalmologie et de la pathologie. Titulaire actuel de la chaire de recherche *Les Amis* et professeur aux départements d'ophtalmologie et de pathologie de l'Université d'Ottawa et de l'Hôpital d'Ottawa, il a une manière unique d'aborder la médecine qui a défini les pratiques exemplaires pendant des décennies en ophtalmologie au Canada.

La carrière du Dr Brownstein a débuté à l'Université McGill après l'obtention d'un doctorat en médecine M.D., C.M. Il a fait sa résidence en ophtalmologie à New York et obtenu une bourse de recherche postdoctorale en pathologie ophtalmologique à l'Institut de pathologie des Forces armées à Washington, DC. Il a ensuite occupé un poste de professeur pendant 20 ans à l'Université McGill avant d'être recruté en 1992 par le tout nouvel Institut de l'œil de l'Université d'Ottawa situé à l'Hôpital d'Ottawa.

La formation et l'expérience uniques du Dr Brownstein ont fait de lui un chef de file et un expert remarquable en ophtalmologie. Son curriculum vitae atteste des nombreux prix, distinctions et bourses qu'il a reçus, mais aussi des grandes conférences qu'il a livrées aux quatre coins des Amériques et du monde. Il a formé 46 chercheurs postdoctoraux en pathologie ophtalmologique et la plupart travaillent en ophtalmologie universitaire.

Le grand intérêt du Dr Brownstein pour la recherche centrée sur le patient a mené à plus de 210 publications scientifiques évaluées par des pairs et 700 exposés à des congrès universitaires dans le monde. Son nom est synonyme d'excellence à l'échelle internationale dans la communauté médicale. En tant qu'ambassadeur mondial du domaine de l'ophtalmologie et de la pathologie ophtalmologique au Canada, il a été choisi par ses pairs pour recevoir la médaille Zimmerman lors du congrès annuel de l'Académie américaine d'ophtalmologie en Nouvelle-Orléans en novembre 2017.

Quand il ne travaille pas, le Dr Brownstein se consacre à l'amour de sa vie, sa femme Hana, et à leurs trois enfants et sept petits-enfants, qui habitent actuellement tous à Ottawa.

La poursuite incessante de l'excellence, du savoir et de l'ingéniosité menée par le Dr Brownstein a changé la vie d'un nombre incalculable de patients, d'étudiants et de collègues et continuera à favoriser des percées en ophtalmologie.

« Le conseil d'administration de la SCO a le plaisir de décerner le prix de Reconnaissance pour l'ensemble d'une carrière de 2017 au Dr Seymour Brownstein. Cette distinction est remise à des personnes qui ont influencé de façon soutenue la croissance de la profession à l'échelle nationale et internationale et qui ont maintenu dans leur pratique les normes les plus élevées de soins à leurs patients. En plus de posséder ces caractéristiques, le Dr Brownstein a aussi fait briller notre profession aux plus hauts niveaux, tant par ses réalisations professionnelles que personnelles. »

– Guillermo Rocha, M.D., FRCSC, FACS, président du conseil d'administration de la SCO



THE CJO WANTS YOU TO REVIEW

Quality peer reviews are essential to the success and reputation of journal. The CJO is a growing enterprise — the number of submissions has increased significantly over the last 3 years, as has the journal's impact factor. We need experts like you to safeguard the rigorous standards of the scientific process and to maintain the CJO's commitment to excellence.

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Canadian Journal of Ophthalmology

CJO • JCO

Journal canadien d'ophtalmologie

COS AWARDS OF EXCELLENCE

PRIX D'EXCELLENCE DE LA SCO

The Canadian Ophthalmological Society congratulates the recipients of the 2017 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: Drs. Catherine Birt, Martin J. Steinbach and Setareh Ziai; and the poster awards: Drs. Farzin Forooghian, Ali Hafez, Bernard Hurley, Cindy Hutnik and G. Robert LaRoche for their time and support in selecting the 2017 winners.

La Société canadienne d'ophtalmologie félicite les lauréats des prix d'excellence de la SCO pour la recherche en ophtalmologie 2017. 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 D^{rs} Catherine Birt, Martin J. Steinbach et Setareh Ziai; et les prix d'affiches : Les D^{rs} Farzin Forooghian, Ali Hafez, Bernard Hurley, Cindy Hutnik et G. Robert LaRoche pour leur temps et leur soutien dans le choix des lauréats 2017.

PAPERS | ARTICLES



First prize | Premier prix

Sina Khalili, University of Toronto

The effect of anti-vascular endothelial growth factor injection on growth and organ development of the neonate: In-vivo study

Presented during Retinopathy of Prematurity, Strabismus and Albinism | Présenté pendant Rétinopathie du prématuré, strabisme et albinisme (p. 74)



Second prize | Deuxième prix

Victoria C. Leung, University of Toronto

Corneal collagen cross-linking in the management of keratoconus in Canada: A cost-effectiveness analysis

Presented during Things That Make You Go Hmm: Latest Options in Refractive Corneal Surgery | Présenté pendant Ces choses qui vous laissent perplexes : Nouveautés en chirurgie réfractive de la cornée (p. 76)



Third prize | Troisième prix

Ioannis S. Dimopoulos, University of Alberta

Gene therapy for choroideremia: Initial results

Presented during Emerging Observations in Imaging, Inflammation & Oncology | Présenté pendant Observations émergentes : Imagerie, inflammation et oncologie (p. 57)

POSTERS | AFFICHES

Presented during Current Concepts I | Présenté pendant Notions Courantes I (p. 44)



First prize | Premier prix

Jade M. Lasiste, McGill University

Metformin inhibits survival, migration, and vascular endothelial growth factor production in uveal melanoma cells



Second prize | Deuxième prix

Carl Shen, McMaster University

Fragility of results in randomized control trials in ophthalmology



Third prize | Troisième prix

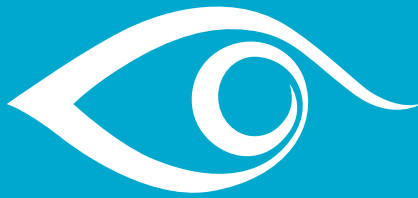
Husayn Gulamhusein, McMaster University

Standalone ab interno gelatin stent with MMC versus standalone trabeculectomy with MMC: Post-operative patient experience and healthcare utilization

SCIENTIFIC PROGRAM
PROGRAMME SCIENTIFIQUE



THURSDAY | JEUDI



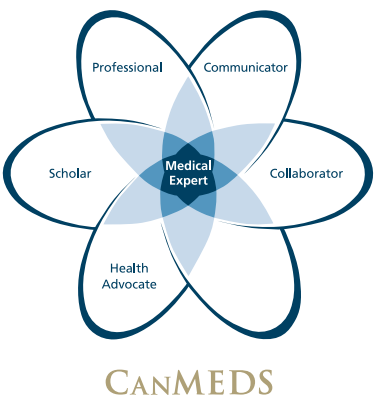
SCIENTIFIC PROGRAM | PROGRAMME SCIENTIFIQUE

THURSDAY SNAPSHOT | JEUDI – COUP D’ŒUIL

Palais des congrès			
Time Heure	Room Salle 518AB	Room Salle 519AB	Room Salle 524C
0800 – 1645	Pathology Annual Meeting Congrès annuel de pathologie (p. 32)		
1200 – 1730		Symposium for Young Ophthalmologists and Residents Symposium pour les jeunes ophtalmologistes et résidents (p. 34)	
1300 – 1700			TCOS Workshop Atelier LSCO (p. 111)
1800 – 1900	Welcome Reception Réception d’accueil Location: Room Salle 720		

Pathology Annual Meeting
Congrès annuel de pathologie
0800 – 1645 • Room | Salle 518AB

CANADIAN OPHTHALMIC PATHOLOGY SOCIETY
SOCIÉTÉ CANADIENNE DE LA PATHOLOGIE OCULAIRE



LEARNING OBJECTIVES

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

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

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

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Patricia Chévez-Barrios, MD

MODERATORS | ANIMATEURS

James Farmer, MD
Janice Safneck, MD
Valerie White, MD

0800 Massive choroidal invasion in retinoblastoma • **Sameh Soliman**, Elise Heon, Furqan Shaikh, Cynthia Hawkins, Brenda Gallie

0815 Update on retinoblastoma: Pathologic features with clinical implications • Patricia Chévez-Barrios

0845 Advanced unilateral intraocular retinoblastoma: Enucleation versus trial salvage • **Stephanie Kletke**, Sameh Soliman, Cynthia Hawkins, Elise Heon, Furqan Shaikh, Brenda Gallie

0900 The implications of cavities • **Katherine Paton**, Steve Rasmussen

0915 8-ball hyphema in a confused non-english speaking patient • **Gavin Docherty**, Katherine Paton, Steve Rasmussen

0930 Stumped by a bump • **Lily Zhao**, Ahsen Hussain, John Harvey, Martin Hyrcza

0945 Challenges in differentiating sebaceous adenoma with atypical features and sebaceous carcinoma in the setting of Muir Torre syndrome • **Kailun Jiang**, Steve Rasmussen, David Rossman, Valerie White

1000 Break

1015 Case of primary cutaneous signet-ring cell carcinoma of the eyelid and orbit • **Mathew Palakkamanil**, Muhammad Mahmood, Audrey Chan

- 1030** Folliculotropic mycosis fungoides of the eyelid • **Mary Feng**, Larry Allen, Christopher Howlett, Rookaya Mather
- 1045** Protruberant pilomatrixoma • **Henry Chen**, Michael O'Connor, Seymour Brownstein
- 1100** Precurrent chalazion? • **Jacob Rullo**, Vlad Kratky, James Farmer
- 1115** Fusiform or fibrous – The case of an orbital tumor • **Claire Hamilton**, Curtis W. Archibald, Jai J. S. Shankar, Godfrey Heathcote
- 1130** Rapidly progressive diplopia in a man with birdshot chorioretinitis • **Wesley Chan**, Martin Bullock, Arif Samad, Curtis Archibald, Godfrey Heathcote
- 1145** The tale of an optic nerve tumor • **David Plemel**, David Steinke, Jian-Qiang Lu, Mark Lee, Ross McLean, Avi Rubinov, Ezekiel Weis
- 1200** Lunch
- 1300** Rare sino-orbital tumor • **Avi Rubinov**, Roderick Simpson, Mara Caragea, Ezekiel Weis
- 1315** Poorly differentiated neuroendocrine tumor • **Alberto Abdala Figuerola**, Arif Janjua, Steve Rasmussen, Vivian Yin
- 1330** Sino-orbital mass • **Guy Allaire**, François Codère, Nicholas Cadet, Tarek Ayad
- 1345** Infantile proptosis with influenza • **Sharon Klugman**, Anna Lee, Peter Dolman, Katherine Paton
- 1400** Rare pediatric systemic syndrome • **Seymour Brownstein**, Henry Chen, Annick Fournier
- 1415** Endocrine mucin-producing sweat gland carcinoma of the eyelid • **Ami Wang**, James Farmer
- 1430** Break
- 1445** Conjunctival PAM extending to lentigo maligna • **Julie Morin**, Steve Rasmussen, Vivian Yin
- 1500** Inflammation of the eyelid • **Paula Blanco**, Michel Belliveau, James Farmer
- 1515** TB or not TB? • **Janice Safneck**, John Embil
- 1530** Case of ptosis • **Femida Kherani**, Elizabeth Earle, David Owen
- 1545** Not just another fungal endophthalmitis case! What to do when the hyphae branch at 70 degrees? • **Martin Hyrcza**, John Harvey
- 1600** Massive gliosis revisited • **Steve Rasmussen**, Lorne Bellan, Thomas Cummings, Steven Yip
- 1615** Rapidly growing eyelid nodule • **James Farmer**, Paula Blanco, Michel Belliveau
- 1630** Break
- 1635** Canadian Ophthalmic Pathology Society business meeting
- 1645** Adjourn

The COS is on Twitter! Join the conversation by using **#COSAnnual2017**.
La SCO est sur Twitter! Joignez-vous à la conversation en utilisant le mot-clic **#COSAnnual2017**.



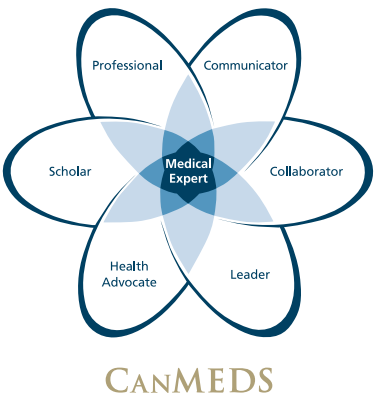
@CanEyeMDs

Symposium for Young Ophthalmologists and Residents

Symposium pour les jeunes ophtalmologistes et résidents

1200 – 1730 • Room | Salle 519AB

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



LEARNING OBJECTIVES

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

- Describe the process of applying to international and American fellowships in ophthalmology subspecialties, as well as the considerations upon returning to Canada
- Apply clinical tips and knowledge for pre-operative, post-operative, and clinical management of complex glaucoma and cornea cases through discussion around resident case presentations
- Describe the future of ophthalmology and apply important medicolegal pearls relevant to this specialty
- Maintain a balance of mental and physical wellbeing during the transition period from resident to staff ophthalmologist

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire le processus de demande de bourses internationales et américaines pour les surspécialités en ophtalmologie, ainsi que les éléments à considérer au retour au Canada
- Appliquer des conseils et des connaissances cliniques à la prise en charge préopératoire, postopératoire et clinique des cas complexes de glaucome et de cornée en discutant de présentations de cas de résidents
- Décrire l'avenir de l'ophtalmologie et appliquer d'importants avantages médicolégaux pertinents à cette spécialité
- Maintenir un équilibre mental et physique pendant la transition entre la résidence et le travail d'ophtalmologiste généraliste

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Richard A. Lewis, MD
Jodhbir S. Mehta, MBBS, FRCOphth, FRCS (Ed), FAMS

MODERATORS | ANIMATEURS

Stephanie A. Low, MD
Amandeep Rai, MD

FACULTY | CORPS PROFESSORAL

Mahshad Darvish-Zargar, MDCM, MBA, FRCSC
Sherif El-Defrawy, MD, PhD
Kay Lam, MD
Colin Mann, MD
Joel Post, MD

1200 Lunch

- 1300** Introductory address • *Mona Harissi-Dagher*
- 1310** Introduction to session and speakers
• *Amandeep Rai & Stephanie A. Low*
- 1320** International fellowships: Process, tips and considerations • *Kay Lam*
- 1340** Academic medicine for non-academics: Cornea and refractive surgery • *Jodhbir S. Mehta*
- 1410** Law and medicine: Pearls for the young ophthalmologist • *Joel Post*
- 1440** To America and back: Lessons returning from fellowship and starting a practice
• *Mahshad Darvish-Zargar*

1510 Break

- 1525** Where ophthalmology has come from and where it is going • *Sherif El-Defrawy*
- 1555** Glaucoma cases with the expert • *Richard A. Lewis*
- 1625** Forever young: Ergonomics and work-life balance • *Colin Mann*
- 1655 Meeting of the Council of Canadian Ophthalmology Residents**
- 1730** Adjourn

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SCIENTIFIC PROGRAM
PROGRAMME SCIENTIFIQUE



FRIDAY | VENDREDI





FIVE REASONS to become a Canadian Ophthalmological Society (COS) member

COS is the national public authority on eye and vision care in Canada, representing eye physicians and surgeons from every province. We work on behalf of our members to ensure that ophthalmologists are clearly recognized as the leading medical authority in eye and vision health.

Membership provides you with many career-enhancing opportunities and tools, including:

- 1 Continuing professional development, including accredited programs
- 2 Access to the COS 2017 Annual Scientific Meeting
- 3 A complimentary annual subscription to the *Canadian Journal of Ophthalmology*
- 4 Members-only access to resources including the online Membership Directory and more!
- 5 A voice in the COS's advocacy work

CINQ RAISONS d'adhérer à la Société canadienne d'ophtalmologie (SCO)

La SCO est l'autorité publique reconnue en matière de soins oculaires et visuels au Canada. Nous représentons les médecins et chirurgiens ophtalmologistes de toutes les provinces. Nous travaillons au nom de nos membres pour nous assurer que les ophtalmologistes sont reconnus comme étant les sommités en matière de soins des yeux et de la vue.

L'adhésion vous donne droit à de nombreux avantages et outils sur le plan professionnel, y compris :

- 1 des occasions de perfectionnement professionnel, dont des programmes accrédités
- 2 l'accès au congrès scientifique annuel de 2017 de la SCO
- 3 un abonnement annuel gratuit au *Journal canadien d'ophtalmologie*
- 4 un accès réservé aux membres à des ressources en ligne, y compris le répertoire des membres
- 5 une place dans les efforts menés par la SCO pour défendre les intérêts du secteur de l'ophtalmologie

To learn more about the benefits of
COS membership, please visit:
www.cos-sco.ca/membership/member-benefits/

Pour en savoir davantage sur les avantages que confère
l'adhésion à la SCO, veuillez consulter la page
www.cos-sco.ca/effectifs/les-avantages-des-membres

FRIDAY SNAPSHOT | VENDREDI- COUP D’ŒUIL

Palais des congrès						
Time Heure	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
0630 – 0800			SOS! – Saving the Ocular Surface Co-developed accredited symposium SOS! – Protéger la surface oculaire Symposium agréé élaboré conjointement (p. 42)			
0700 – 0800	Breakfast Petit déjeuner (Foyer 517BC)					
0800 – 1000	Current Concepts I Lifetime Achievement Award Presentation (9:40 am) Notions courantes I Presentation de Reconnaissance pour l'ensemble d'une carrière (9 h 40) (p. 44)					CSORN SCIIO (p. 112)
1000 – 1045	Break in the Exhibit Hall Pause dans la salle d'exposition					
1045 – 1215	Glaucoma Workshop: Breaking down the OCT Atelier : TCO du glaucome (p. 45)	Oculoplastics for the Comprehensive Ophthalmologist: What you need to know to get through your day! Oculoplastie pour l'ophtalmologiste généraliste : Ce qu'il faut savoir pour survivre (p. 46)	Going for Broke: Vitreoretinal surgery throwdown! Jouer le tout pour le tout en chirurgie vitréo-rétinienne (p. 47)	Towards a Better Understanding of Some Neuro-ophthalmic Conditions Vers une meilleure compréhension de certaines maladies neuro-ophtalmiques (p. 49)	STC: Strabismus CTC : Strabisme (p. 102)	CSORN SCIIO (p. 112)

Palais des congrès						
Time Heure	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
1215 – 1330	COS Annual General Meeting (Room 517A) Assemblée générale annuelle de la SCO (Salle 517A) Lunch in the Exhibit Hall Dîner dans la salle d'exposition					
1330 – 1500	Under Pressure: Cataract surgery in the glaucoma patient <i>Sous pression : La chirurgie de la cataracte chez les patients glaucomateux (p. 50)</i>	Bumpy Eyelids and Watery Eyes: Oculoplastics free papers <i>Bosses sur les paupières et yeux larmoyants : Exposés libres en oculoplastie (p. 51)</i>	Clinical Trials & Injectables: Think before you inject <i>Essais cliniques et injections : Réfléchir avant de traiter (p. 52)</i>	Some Not-So-Common Neuro-ophthalmic Conditions <i>Des maladies neuro-ophtalmiques pas si fréquentes (p. 54)</i>	STC: Glaucoma – MIGS <i>CTC : Glaucome – MIGS (p. 103)</i>	CSORN SCIIO (p. 112)
1500 – 1545	Break in the Exhibit Hall Pause dans la salle d'exposition					
1545 – 1715	Structure and Function in Glaucoma: Where are we now? <i>Structure et fonctionnement du glaucome : Où en sommes-nous? (p. 55)</i>	Why You Shouldn't Have Skipped Your Eyelid and Orbital Anatomy Lectures! Oculoplastics free papers <i>Pourquoi vous n'auriez pas dû manquer vos cours sur l'anatomie de la paupière et de l'orbite ! Exposés libres en oculoplastie (p. 56)</i>	Emerging Observations in Imaging, Inflammation & Oncology <i>Observations émergentes : Imagerie, inflammation et oncologie (p. 57)</i>	Clinical Update : Pediatrics – Genetic Testing, ROP Screening and UBM/OCT for Strabismus <i>Mise à jour clinique : Pédiatrie – Tests génétiques, détection de la rétinopathie du prématuré et UBM/TCO pour le strabisme (p. 58)</i>	STC: Cornea – SLET <i>CTC : Cornée – SLET (p. 104)</i>	CSORN SCIIO (p. 112)



SAVING THE
OCULAR SURFACE
PROTÉGER LA
SURFACE OCULAIRE



- 0630 Welcome and Introductions
– *W. Bruce Jackson, MD*
- 0635 Ocular Surface Disease in 2017:
Have We Made Progress?
– *W. Bruce Jackson, MD*
- 0645 MGD and Blepharitis:
Get Those Creepers Off
My Peepers!
– *Setareh Ziai, MD*
- 0700 Surface Matters in
Cataract Surgery
– *Louis Racine, MD*
- 0715 Pain Without Stain
– *Johanna Choremis, MD*
- 0730 Glaucoma and Dry Eye:
Pressure, Preservatives and
Protecting the Surface
– *Walter Delpero, MD*
- 0745 Panel discussion and Q & A
- Breakfast will be served from 0600.
Petit-déjeuner sera servi à partir de 0600.*

SCIENTIFIC PLANNING COMMITTEE | COMITÉ DE PLANIFICATION

W. Bruce Jackson, MD, Chair
Walter Delpero, MD, COS Representative
Johanna Choremis, MD

FACULTY | CORPS PROFESSORAL



Johanna Choremis, MD
Montréal, QC



Walter Delpero, MD
Ottawa, ON



W. Bruce Jackson, MD
Peterborough, ON

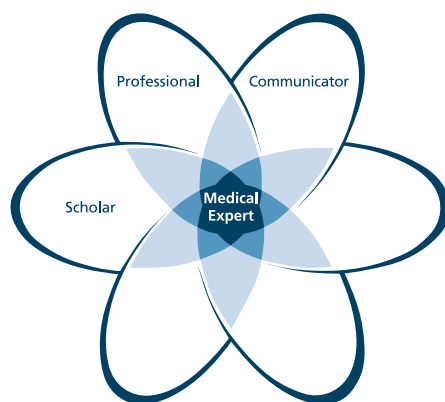


Louis Racine, MD
Montréal, QC



Setareh Ziai, MD
Ottawa, ON

Join our distinguished faculty for an exciting symposium on our ever-evolving understanding of the pathophysiology of ocular surface disease. Our Canadian speakers will share their expertise and clinical cases to help you improve your practical management of this complex disease. Topics will include the causes of dry eye, diagnosis, “point-of-care testing,” as well as current and upcoming therapeutic options and their mechanisms of action. Understanding the challenging patient with keratoneuralgia (“Pain Without Stain”), enhancing outcomes of cataract surgical cases and managing ocular surface disease associated with glaucoma and meibomian gland disease will be highlighted. The interactive case-based symposium format will ensure attendees have ample time for questions.



CANMEDS

Joignez-vous à nos éminents formateurs pour un colloque passionnant sur la compréhension en constante évolution de la physiopathologie de la maladie de la surface oculaire. Nos spécialistes canadiens puiseront à même leur expertise et leurs cas pour vous aider à mieux comprendre cette pathologie de plus en plus commune, notamment les causes de la sécheresse oculaire, le diagnostic, l'analyse hors laboratoire ainsi que le mécanisme d'action des options thérapeutiques actuelles et à venir qui s'offrent à vous et à vos patients. Comprendre les cas difficiles de « kératonévrалgie » (Pain Without Stain), améliorer les résultats des chirurgies de la cataracte et prendre en charge la maladie de la surface oculaire associée au glaucome et à la maladie des glandes de Meibomius seront au nombre des thèmes abordés. De par sa formule interactive et reposant sur des cas, ce symposium laissera amplement de temps aux questions des participants.

LEARNING OBJECTIVES

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

- Discuss the pathophysiology, diagnosis and current therapies for patients with ocular surface disease, including those being evaluated for ocular surgery or on glaucoma therapy.
- Describe the most significant advances in our understanding of ocular surface disease.
- Recognize and treat the most common causes of dry eye: meibomian gland dysfunction and other lid diseases.
- Identify how to manage dry eyes before and after cataract surgery.
- Describe keratoneuralgia and its various treatment strategies.

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Examiner la physiopathologie, le diagnostic et les traitements actuels pour les patients atteints de la maladie de la surface oculaire, y compris les patients en cours d'évaluation pour une intervention oculaire ou ceux qui suivent un traitement du glaucome.
- Décrire les percées les plus importantes dans notre compréhension de la maladie de la surface oculaire.
- Reconnaître et traiter la cause la plus courante de sécheresse oculaire : le dysfonctionnement des glandes de Meibomius et d'autres maladies de la paupière.
- Reconnaître comment traiter la sécheresse oculaire avant et après l'opération de la cataracte.
- Décrire la kératonévrалgie et ses différentes stratégies de traitement.

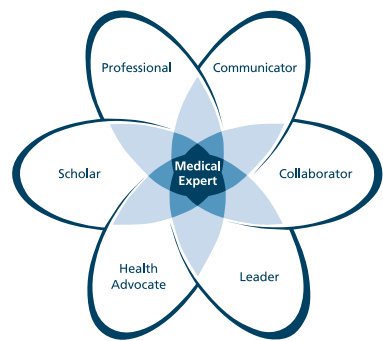
This session was co-developed by the Canadian Ophthalmological Society and Shire and was planned to achieve scientific integrity, objectivity and balance.

ACCREDITATION STATEMENT: This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of The Royal College of Physicians and Surgeons of Canada and approved by the Canadian Ophthalmological Society. Physicians may claim a maximum of 1.5 hours.

Current Concepts I
Notions courantes I

0800 – 1000 • Room | Salle 517A

CANADIAN OPHTHALMOLOGICAL SOCIETY
SOCIÉTÉ CANADIENNE D'OPHTALMOLOGIE



CanMEDS

LEARNING OBJECTIVES

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

- Review the treatment of thyroid eye disease
- List the diagnostic criteria for pseudotumor cerebri syndrome in adults and children
- Describe the incidence and management of recurrent macular holes repaired with modern vitreoretinal surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Revoir le traitement de la maladie de Graves
- Dresser la liste des critères de diagnostic du syndrome de la méningite séreuse chez les adultes et les enfants
- Décrire l'incidence et la prise en charge des trous maculaires récurrents réparés avec les techniques modernes de chirurgie vitréorétinienne

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Patricia Chévez-Barrios, MD
Tarek S. Hassan, MD
Alon Kahana, MD, PhD
Grant Liu, MD

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
Navdeep Nijhawan, MD

0800 President's welcome • *Guillermo Rocha*

0805 Local welcome • *Mona Harissi-Dagher, AMOQ*

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

0815 Pseudotumor cerebri syndrome:
Diagnostic criteria for adults and children
• *Grant Liu*

0825 Discussion

0830 What can zebrafish teach us about thyroid
eye disease and extraocular muscle
repair? • *Alon Kahana*

0840 Discussion

0845 Cytology and molecular testing of
intraocular fluids: Clinical correlation
• *Patricia Chévez-Barrios*

0855 Discussion

0900 Innovations and advances in vitreoretinal
surgery • *Tarek S. Hassan*

0910 Discussion

0915 **COS Awards of Excellence:** Paper and
poster winners • *G. Robert LaRoche*

0940 **Lifetime Achievement Award** presented
to Seymour Brownstein

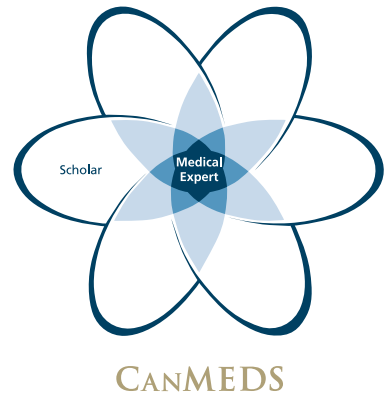
1000 Adjourn

Glaucoma Workshop: Breaking down the OCT

Atelier: TCO du glaucome

1045 – 1215 • Room | Salle 517A

CANADIAN GLAUCOMA SOCIETY
SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Evaluate an optic nerve imaging printout for the purpose of diagnosis of glaucoma
- Identify common false positives in optic nerve imaging for glaucoma
- Identify common false negatives in optic nerve imaging for glaucoma

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer le résultat d'un test d'imagerie du nerf optique pour diagnostiquer le glaucome
- Détecter les faux positifs courants en imagerie du nerf optique pour le glaucome
- Détecter les faux négatifs courants en imagerie du nerf optique pour le glaucome

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Don Budenz, MD, MPH

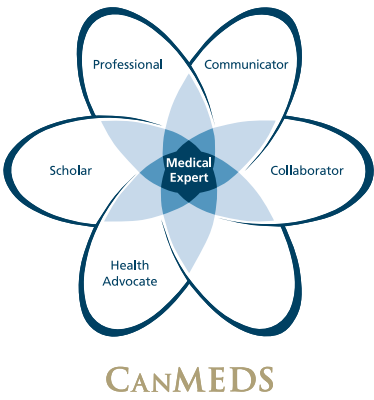
FACULTY | CORPS PROFESSORAL

Paul Harasymowycz, MD, MSc
Hady Saheb, MD, MPH

This imaging workshop will include a review of basic principles of imaging interpretation, followed by a series of cases that have been selected by experts across Canada. These cases each have specific teaching points, including false positives, false negatives, glaucoma diagnosis, progression, nonglaucomatous pathology, as well as ganglion cell analysis findings. The case discussions will be interactive, both between the 3 panelists as well as the audience, and is intended to include 30-35% interactivity.

Cet atelier d'imagerie comprendra une revue des principes fondamentaux de l'interprétation de l'imagerie, suivie d'une série de cas sélectionnés par des experts de partout au Canada. Chacun de ces cas comporte un élément pédagogique précis : faux positifs, faux négatifs, diagnostic du glaucome, progression, pathologie non glaucomateuse, résultats d'analyse des cellules ganglionnaires, etc. Les discussions de cas seront interactives, aussi bien entre les 3 panélistes qu'avec les membres du public (interactivité ciblée : de 30 à 35 %).

Oculoplastics for
the Comprehensive
Ophthalmologist: What
you need to know to get
through your day!
Oculoplastie pour
l’ophtalmologiste généraliste :
Ce qu’il faut savoir pour survivre



1045 – 1215 • Room | Salle 518AB

CANADIAN SOCIETY OF OCULOPLASTIC SURGEONS | SOCIÉTÉ
CANADIENNE DE CHIRURGIE OCULOPLASTIQUE

LEARNING OBJECTIVES

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

- Assess and manage patients with eyelid abnormalities such as entropion, ectropions, and movement disorders
- Describe how to best approach patients with epiphora
- Assess and treat patients with thyroid eye disease and orbital inflammatory syndrome

OBJECTIFS D’APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer et traiter les patients présentant des anomalies de la paupière – Entropion, ectropions, troubles du mouvement, etc.
- Décrire la meilleure façon de traiter les patients atteints d’épiphora
- Évaluer et traiter les patients atteints de la maladie de Graves et du syndrome inflammatoire orbitaire

MODERATORS | ANIMATEURS

Bryan Arthurs, MD
Dan DeAngelis, MD

FACULTY | CORPS PROFESSORAL

Stephen Baker, MD
Michel Belliveau, MD
Femida Kherani, MD
David Rossman, MD
Tony Wong, MD

1045 Opening remarks • *Bryan Arthurs*

1046 Benign essential blepharospasm/
hemifacial spasm: How do I deal with my
spasm patient? • *Femida Kherani*

1054 Discussion

1104 Entropion/ectropion 101 • *Tony Wong*

1112 Discussion

1122 What do I do next when my epiphora
patient is patent to irrigation? • *David
Rossman*

1130 Discussion

1140 Thyroid orbitopathy: What tests should
I order and when should I image my
patient? • *Stephen Baker*

1148 Discussion

1158 Management of the acutely inflamed
orbit • *Michel Belliveau*

1206 Discussion

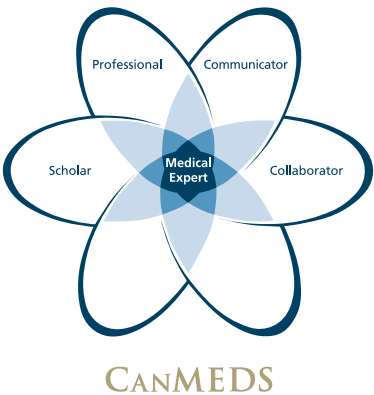
1215 Adjourn

Going for Broke: Vitreoretinal surgery throwdown!

Jouer le tout pour le tout en chirurgie vitréo-rétinienne

1045 – 1215 • Room | Salle 519AB

CANADIAN RETINA SOCIETY
SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Describe the incidence and management of recurrent macular holes repaired with modern vitreoretinal surgery
- Identify predictive factors of proliferative vitreo-retinopathy after uncomplicated primary retinal detachment repair
- Assess the effectiveness of prophylactic 360 laser treatment on prevention of recurrence of retinal detachment after pars plana vitrectomy in patients with primary uncomplicated rhegmatogenous retinal detachment

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire l'incidence et la prise en charge des trous maculaires récurrents réparés avec les techniques modernes de chirurgie vitréo-rétinienne
- Identifier les facteurs prédictifs de vitréorétinopathie proliférante après réparation d'un décollement de la rétine primaire sans complications
- Évaluer l'efficacité du traitement prophylactique au laser 360 pour la prévention des récurrences de décollement de la rétine après vitrectomie par la pars plana chez les patients présentant un décollement de rétine rhégmato-gène primaire sans complications

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Tarek S. Hassan, MD

MODERATORS | ANIMATEURS

Karim Hammamji, MD
Geoff Williams, MD

1045 Introduction

1049 Recurrent macular holes in the era of small gauge vitrectomy • *Tarek S. Hassan*

1109 Discussion

1114 Scleral sutured Akreos lens using Gore-Tex: University of Montréal experience
• *Karim Hammamji*

1121 Discussion

1123 Design and validation of a training simulator for laser capsulotomy, peripheral iridotomy and retinopexy • *Sarah M. Simpson, Kelly Schweitzer, Davin E. Johnson*

1130 Discussion

1132 Effect of prophylactic 360 laser treatment on prevention of recurrence of retinal detachment after pars plana vitrectomy with gas tamponade in patients with primary uncomplicated rhegmatogenous retinal detachment • *Ali Dirani, Marc-Andre Rheaume, Danny Gauthier, Jean-Daniel Arbour, Louis Corriveau, Karim Hammamji*

CONTINUED ON PAGE 48

- 1139

Discussion
- 1141

Surgical outcomes for retinal detachment repair in the province of Alberta: Results of the Physician Learning Program Initiative • **Assaf Dotan**, *Dianne Johnson, Amin Kherani, Khurram Jahangir, Matthew Tennant*
- 1148

Discussion
- 1150

Vitrectomy with subretinal tissue plasminogen activator for submacular hemorrhage: Experience of a large Canadian centre • **Verena Juncal**, *Mostafa Hanout, David Chow, Rajeev Muni, Louis Giavedoni, Filiberto Altomare, David Wong, Alan Berger*
- 1157

Discussion
- 1159

A novel surgical technique for treatment of large, chronic or surgically failed macular holes • **Efrem Dov Mandelcorn**, *Tina Felfeli*
- 1206

Discussion
- 1208

Vitrectomy and injection of subretinal tissue plasminogen activator for subfoveal hemorrhage: Prognostic factors and clinical outcomes • **David Plemel**, *Steve Lapere, Christopher Rudnisky, Matthew Tennant*
- 1215

Discussion
- 1217

Adjourn



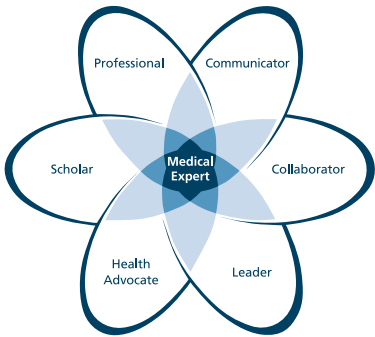
App Tip: To view a list of sessions by presenter, click on the presenter’s name under the Guest Speaker or Presenters tab.

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

Towards a Better Understanding of Some Neuro-Ophthalmic Conditions

Vers une meilleure compréhension de certaines maladies neuro-ophtalmologiques

1045 – 1215 • Room | Salle 522ABC



CANMEDS

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

LEARNING OBJECTIVES

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

- Describe the clinical presentation and management of pediatric pseudotumor cerebri syndrome
- Discuss new research aimed at gaining a better understanding of giant cell arteritis
- Determine diagnostic value of blood work for patients with chronic optic neuropathy

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire la présentation clinique et la prise en charge du syndrome de la méningite séreuse chez les enfants
- Examiner les nouvelles études visant à mieux comprendre la maladie de Horton
- Déterminer la valeur diagnostique des analyses sanguines chez les patients atteints de neuropathie optique chronique

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Grant Liu, MD

MODERATORS | ANIMATEURS

Amadeo R. Rodriguez, MD
Claire Sheldon, MD

1045 Pediatric pseudotumor cerebri syndrome
• Grant Liu

1105 The role of dynamic contour tonometry in patients undergoing temporal artery biopsy for suspected giant cell arteritis
• Edsel B. Ing, Nurhan Torun, Brian Healey, Jennifer Rider, Felix Tyndel, Kay Lam, Harleen Bedi, Christian Pagnoux, Tran Le, Lucas M. Bachmann, Seymour Hershenfeld, Susan Rutherford, Carla Lutchman, Patricia Hinton, Patricia Teal

1115 Predictive value of screening blood work for patients with chronic neuropathy • Cindy Lam, Lili Tong, Eli Cote, Edward Margolin

1125 Characterization of serological markers (ESR, CRP and platelets) of healed/healing arterial injury and biopsy positive giant cell arteritis • Vinay Kansal, Sangsu Han, James Farmer, Danah Albreiki

1135 Causes of reduced visual quality of life in patients with migraine • Anastasia Neufeld, Seniha Ozudogru, Susan Baggaley, Judith Warner, Bradley Katz, Alison Crum, Melissa Cortez, Kathleen Digre

1145 Transient smartphone blindness: A case series
• Nirojini Sivachandran, Amadeo Rodriguez

1155 Evaluating and improving the management of neuro-ophthalmic emergencies by emergency medicine residents at The Ottawa Hospital • Danah H. Albreiki, Harrish Nithianandan, Irfan N. Kherani

1205 Discussion and closing remarks

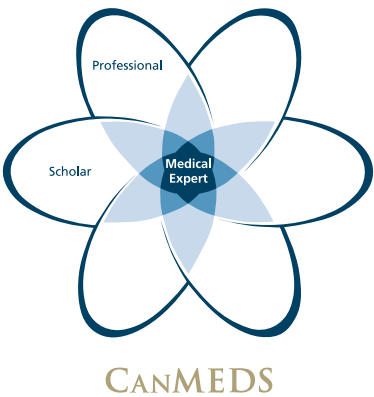
1215 Adjourn

Under Pressure: Cataract surgery in the glaucoma patient

Sous pression : La chirurgie de la cataracte chez les patients glaucomateux

1330 – 1500 • Room | Salle 517A

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Assess narrow angles in cataract patients
- Apply a variety of techniques to treat angle closure glaucoma
- Integrate and apply pearls for cataract surgery in glaucoma patients

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les angles étroits chez les patients atteints de cataracte
- Appliquer diverses techniques pour traiter le glaucome à angle fermé
- Intégrer et appliquer les avantages de la chirurgie de la cataracte dans les cas de patients glaucomateux

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Richard A. Lewis, MD
Arsham Sheybani, MD

MODERATOR | ANIMATEUR

Jit Gohill, MD

FACULTY | CORPS PROFESSORAL

Bryce Ford, MD
Andrew Toren, MD
Devesh Varma, MD

1330 Introduction

1332 Combined cataract and glaucoma surgeries – What are my options?
• *Richard A. Lewis*

1342 Phaco alone as an IOP lowering treatment
• *Bryce Ford*

1352 Discussion

1356 Angle closure alert: How the cataract surgeon can help • *Devesh Varma*

1406 ECP, goniosynchialysis and ancillary techniques for ACG • *Arsham Sheybani*

1416 Discussion

1420 Femto laser cataract surgery in the glaucoma patient • *Richard A. Lewis*

1430 Help! IOP is 50 after cataract surgery!
• *Andrew Toren*

1440 Discussion

1444 Premium IOLs in the glaucoma patient
• *Richard A. Lewis*

1454 Discussion

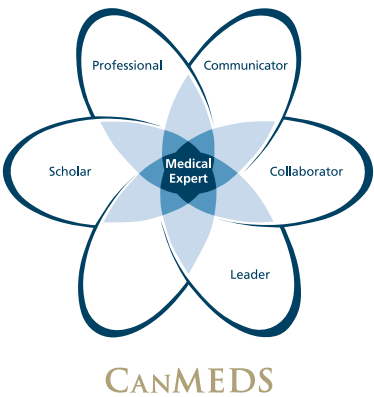
1500 Adjourn

Bumpy Eyelids and Watery Eyes: Oculoplastics free papers

Bosses sur les paupières
et yeux larmoyants : Exposés
libres en oculoplastie

1330 – 1500 • Room | Salle 518AB

CANADIAN SOCIETY OF OCULOPLASTIC SURGEONS
SOCIÉTÉ CANADIENNE DE CHIRURGIE OCULOPLASTIQUE



LEARNING OBJECTIVES

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

- Assess current concepts in managing periocular malignancies
- Integrate research results in managing patients with lacrimal disorders and epiphora

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les concepts actuels en gestion de tumeurs périoculaires malignes
- Intégrer les résultats de la recherche au traitement des patients atteints de troubles lacrymaux et d'épiphora

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Rene Rodriguez-Sains, MD, FACS

MODERATORS | ANIMATEURS

Bryan Arthurs, MD
David Jordan, MD

- 1330** Welcome and opening remarks • *Bryan Arthurs*
- 1333** Explosive growth of two periorbital tumours • **Debra-Meghan Sanft**, *Pablo Zoroquiain, Kevin Watters, Miguel Burnier, Alex Mylnarek, Salim Korban, Bryan Arthurs*
- 1339** Basal cell carcinoma of the eyelid with sebaceous differentiation • **Pablo Zoroquiain**, *Carlos Moreira, Evangelina Esposito, Bryan Arthurs, Beatriz Dias, Miguel Burnier*
- 1345** 🍷 How reliable are frozen sections for periocular tumors? • **William Turk**, *Lorne Bellan, Matthew Lee-Wing, Janice Safneck*
- 1351** 5-year multicenter prospective randomized trial comparing three conservative chalazion treatments • **Albert Y. Wu**, *Kalla A. Gervasio, Kellie N. Gergoudis, Chen Wei, James H. Oestreicher, John T. Harvey*
- 1357** Discussion

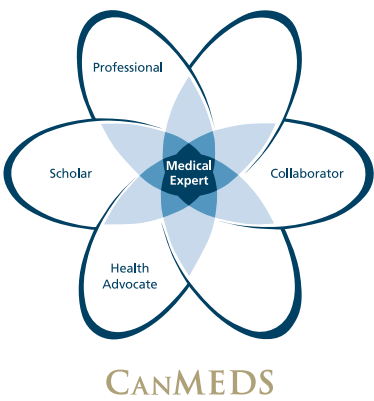
- 1404** Involvement of lacrimal structures in floppy eyelid surgery • **Avi Rubinov**, *Allan Oryschak, Karim Punja, Michael Ashenhurst*
- 1410** Is the non-endoscopic endonasal dacryocystorhinostomy (NEED procedure) the gold standard • **Bayasgalan Purevdorj**, *Can Öztürker, Gamal Seif, Yasser Khan*
- 1416** Meta-analysis of the utility of stents in dacryocystorhinostomy • **Edsel B. Ing**, *Royce C. Ing, Harleen Bedi, Ahsen Hussain, Amal Al-Sayyed, Helen Zakrzewski, Navdeep Nijhawan, Ming Ding, Bryan J. Winn*
- 1422** Discussion
- 1429** Introduction of guest speaker • *Bryan Arthurs*
- 1431** Inoperable cases: What I've learned • *Rene Rodriguez-Sains*
- 1451** Discussion
- 1500** Adjourn

Clinical Trials & Injectables: Think before you inject

Essais cliniques et injections :
Réfléchir avant de traiter

1330 – 1500 • Room | Salle 519AB

CANADIAN RETINA SOCIETY | SOCIÉTÉ CANADIENNE
DE LA RÉTINE



LEARNING OBJECTIVES

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

- Describe the role of combination treatment in neovascular AMD and diabetic macular edema
- Assess the impact of repeat anti-VEGF treatment on key ocular structures (retina, optic nerve and retinal pigment epithelium)
- Apply cutting edge clinical research data to management of patients with neovascular AMD and diabetic macular edema

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire le rôle du traitement combiné dans les cas de DMLA néovasculaire et d'œdème maculaire diabétique
- Évaluer les conséquences de traitements anti-FCVE répétitifs sur les principales structures oculaires (rétine, nerf optique et épithélium pigmentaire rétinien)
- Appliquer des données d'études cliniques de pointe sur la prise en charge des patients atteints de DMLA néovasculaire et d'œdème maculaire diabétique

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Diana V. Do, MD
Tarek S. Hassan, MD

MODERATORS | ANIMATEURS

Varun Chaudhary, MD
Peter Kertes, MD

- 1330** Introduction • *Varun Chaudhary*
- 1335** The simultaneous comparative use of intravitreal dexamethasone vs. intravitreal anti-VEGF therapy for recalcitrant DME
• *Tarek S. Hassan*
- 1350** Discussion
- 1355** Ocriplasmin versus vitrectomy for treatment of macular holes • **Verena Juncal**, *David Chow, Natàlia Grané, Michael Kapusta, Geoff Williams, Amin Kherani, Alan Berger*
- 1400** Q & A

- 1402** Canadian treat and extend analysis trial with ranibizumab in patients with neovascular AMD: Interim analysis of the CANTREAT study • **Peter Kertes**, *Tom Sheidow, Geoff Williams, Mark Greve, Ivan Galic, Emmanouil Rampakakis, Joanne Gavalakis, Andrea Scarino*
- 1407** Q & A
- 1409** Current concepts in treatment of proliferative diabetic retinopathy • *Diana V. Do*
- 1424** Discussion
- 1429** A clinico-pathological study of the structural and functional changes to the retina and optic nerve following anti-VEGF treatments for diabetic macular edema • **Richard Filek**, *Philip Hooper, Tom Sheidow, John Gonder, Subrata Chakrabarti, Cindy Hutnik*

1434 Q & A

1436 The effects of dexamethasone intravitreal implant in cystoid macular edema recalcitrant to anti-VEGF therapy • *Salina Teja, **Lauren Sawatzky**, Theresa Wiens, David Maberley, Patrick Ma*

1441 Q & A

1443 Real world practice patterns in the treatment of wet age-related macular degeneration • **Netan Choudhry**, Eric Tourville, Pierre Turcotte

1448 Q & A

1453 Assessment of retinal pigment epithelium changes in eyes with diabetic macular edema undergoing multiple intravitreal dosing with ranibizumab • **Mostafa Hanout**, Filiberto Altomare, Louis Giavedoni, Alan Berger, Rajeev H. Muni, David R. Chow, Robert Gizicki, Adam K. Rudkin, David T. Wong

1458 Q & A

1500 Adjourn



App Tip: Use the map tab to get directions to the various events.

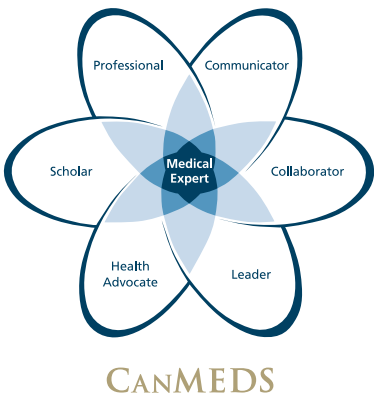
Astuce : Pour savoir comment vous rendre aux différentes activités, choisissez l'option Cartes dans le menu de navigation.

Some Not-So-Common Neuro-Ophthalmic Conditions

Des maladies
neuro-ophtalmologiques
pas si fréquentes

1330 – 1500 • Room | Salle 522ABC

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



LEARNING OBJECTIVES

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

- Describe visual illusions and hallucinations in particular Alice in Wonderland syndrome and persistent positive visual phenomena in migraine
- Identify the current concepts on Neuromyelitis optica and other inflammatory optic neuropathies
- Explain mitochondrial vision loss

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire des illusions visuelles et les hallucinations chez les patients atteints du syndrome d'Alice au pays des merveilles ou de phénomènes visuels positifs migraineux
- Identifier les concepts actuels concernant la neuromyéélite optique et d'autres neuropathies optiques inflammatoires
- Expliquer la perte de vision liée à une maladie mitochondriale

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Grant Liu, MD

MODERATORS | ANIMATEURS

Amadeo R. Rodriguez, MD
Claire Sheldon, MD

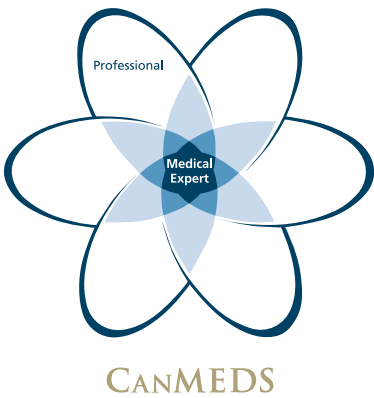
- 1330** Hallucinations and illusions: Alice in Wonderland syndrome and persistent positive visual phenomena in migraine • *Grant Liu*
- 1350** An update on NMO and other inflammatory optic neuropathies • *Claire Sheldon*
- 1410** Mitochondrial visual loss, beyond the usual • *Luis Ospina*
- 1420** The curious case of the chiasm • **Colten Wendel**, *Jason Barton*
- 1430** "Primun non nocere" iatrogenic vision loss • *Amadeo R. Rodriguez*
- 1440** Discussion
- 1450** **Canadian Neuro-ophthalmology Society business meeting**
- 1500** Adjourn

Structure and Function in Glaucoma: Where are we now?

Structure et fonctionnement du glaucome : Où en sommes-nous?

1545 – 1715 • Room | Salle 517A

CANADIAN GLAUCOMA SOCIETY | SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Describe how OCT can assist with glaucoma diagnosis
- Compare data from different machines
- Assimilate tricks to more accurately assess visual fields

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire comment la TCO peut aider à diagnostiquer le glaucome
- Comparer les données de différents instruments
- Assimiler des astuces pour évaluer plus précisément les champs visuels

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Augusto Azuara-Blanco, PhD, FRCS (Ed), FRCOphth
Don Budenz, MD, PhD

FACULTY | CORPS PROFESSORAL

Cindy Hutnik, MD
Marcelo Nicolela, MD

MODERATORS | ANIMATEURS

Neeru Gupta, MD, MBA, PhD
Steven Schendel, MD

1545 How can I compare OCT data from different machines? • *Don Budenz*

1601 Discussion

1605 Automated imaging for glaucoma diagnosis • *Augusto Azuara-Blanco*

1621 Discussion

1625 Field update: New machines, interpreting fields • *Marcelo Nicolela, Cindy Hutnik*

1649 Discussion

1655  The effects of phacoemulsification on IOP and topical medication use in patients with glaucoma: A systematic review and meta-analysis • **James J. Armstrong**, *Tom Wasiuta, Efstathia Kiatos, Monali Malvankar, Cindy Hutnik*

1703 Discussion

1705 The future is here: How digitally integrated visits via teleglaucoma can be used by community ophthalmologists to care for more glaucoma patients in less time • **Kenman Gan**, *Brian Stagg, Eric Maika, Heather Burnett, Murray Erasmus, Trevor Miranda, Mark Bourdeau, Michael Kim, Darren Behn*

1713 Discussion

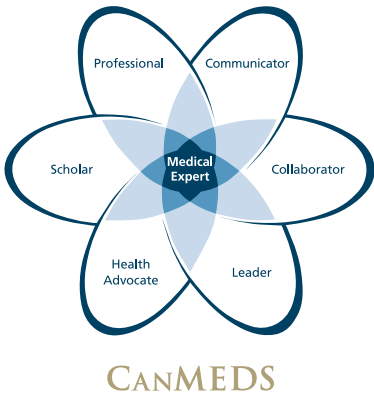
1715 Closing remarks

Why You Shouldn't Have Skipped Your Eyelid and Orbital Anatomy Lectures: Oculoplastics free papers

Pourquoi vous n'auriez pas dû manquer vos cours sur l'anatomie de la paupière et de l'orbite : Exposés libres en oculoplastie

1545 – 1715 • Room | Salle 518AB

CANADIAN SOCIETY OF OCULOPLASTIC SURGEONS | SOCIÉTÉ CANADIENNE DE CHIRURGIE OCULOPLASTIQUE



LEARNING OBJECTIVES

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

- Integrate novel concepts in managing orbital diseases
- Apply basic orbital anatomy in the management of patients with periocular disorders

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer les résultats de l'étude canadienne SCREEN-ROP à leur pratique
- Évaluer l'utilisation de la biomicroscopie ultrasonique (UBM) et de la TCO pour traiter le strabisme

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Alon Kahana, MD, PhD

MODERATORS | ANIMATEURS

François Codère, MD
Navdeep Nijhawan, MD

1545 Opening remarks • Navdeep Nijhawan

1548 Frontal nerve branch anatomy: Neurectomy as a treatment for first division trigeminal neuralgia • **Patrick Yang**, Jonathan Micieli, Ahsen Hussain, Sue Tucker, Harmeet Gill, Dan DeAngelis, Nancy Tucker

1554 Sural nerve graft for neurotrophic keratitis – Long term results • **Ezekiel Weis**, Avi Rubinov, Ahmed Al-Ghoul, Farrah Yau

1600 Discussion

1609 Localizing the lost rectus muscle using the connective tissue framework • **David Jordan**, Bazil Stoica

1615 Use of onyx for intraoperative embolization of orbital vascular malformation • **Vivian T. Yin**, Manraj Heran

1621 The Toronto Sick Kids experience with bleomycin sclerotherapy of orbital lymphatic malformers • **Stephanie A. Low**, Ahsen Hussain, Ralph Gnannt, Joao Amaral, Philip John, Dan DeAngelis

1627 Progressive optic nerve glioma: Orbital biopsy technique using a surgical navigation system • **Ahsen Hussain**, Michael Wan, Dan DeAngelis

1633 Discussion

1642 Introduction of guest speaker • Navdeep Nijhawan

1644 Small-incision orbital decompression surgery: Anatomic foundations • Alon Kahana

1704 Discussion

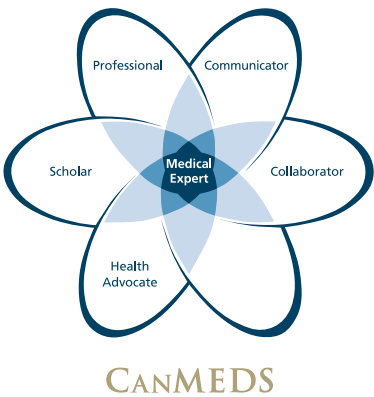
1715 Canadian Society of Oculoplastic Surgeons business meeting

Emerging Observations in Imaging, Inflammation & Oncology

Observations émergentes : Imagerie, inflammation et oncologie

1545 – 1715 • Room | Salle 519AB

CANADIAN RETINA SOCIETY | SOCIÉTÉ CANADIENNE DE LA RÉTINE



LEARNING OBJECTIVES

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

- Apply the appropriate imaging modalities in the assessment of various retinal vascular diseases
- Describe the natural history of untreated epiretinal membranes
- Describe the potential role of gene therapy in the management of chorioideremia

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Appliquer les modalités d'imagerie appropriées dans l'évaluation de diverses maladies vasculaires de la rétine
- Décrire l'histoire naturelle des membranes épirétiniennes non traitées
- Décrire le rôle potentiel de la thérapie génique dans la prise en charge de la choroïdérémie

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Diana V. Do, MD

MODERATORS | ANIMATEURS

Jason Noble, MD
Arif Samad, MD

1545 Utilizing multimodal imaging in retinal vascular disease • *Diana V. Do, MD*

1605  Swept-source OCT-angiography of the anomalous foveal avascular zone • **Shangjun (Collier) Jiang**, Netan Choudhry

1615 Tele-ophthalmology screening for the detection of diabetic retinopathy and macular edema using monoscopic colour photographs and optical coherence tomography: An analysis of 1,020 eyes • **Tina Felfeli**, Roy Alon, Michael Brent

1625 The effect of intravitreal bevacizumab in experimental models of ocular inflammation • J. Thomas Toguri, Daniel Lafreniere, Rishi R. Gupta, Alan Cruess, Melanie Kelly, **Mark E. Seamone**

1635 The use of intravitreal anti-VEGF and triamcinolone in the treatment of radiation papillopathy: A prospective case series • Kelsey A. Roelofs, Matthew Larocque, **Ezekiel Weis**

1645 Natural history of untreated epiretinal membranes: Progression, prognosis, and predictive factors • **Daniel Q. Li**, David Wong

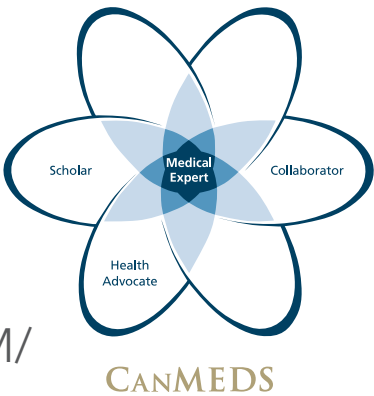
1655  Gene therapy for chorioideremia: Initial results • **Ioannis S. Dimopoulos**, Matthew Tennant, Riz Somani, Ian MacDonald

1705 Local failure after episcleral brachytherapy for posterior uveal melanoma: Patterns, risk factors and management • **Claudine Bellerive**, Hassan A. Aziz, James Bena, Allan Wilkinson, John Suh, Thomas Plesec, Arun Singh

1715 Adjourn

Clinical Update: Pediatrics – Genetic testing, ROP screening and UBM/OCT for strabismus

Pédiatrie : Mise à jour clinique – Test génétiques, détection de la rétinopathie du prématuré et UBM/TCO pour le strabisme



1545 – 1715 • Room | Salle 522ABC

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 results from the Canadian SCREEN-ROP study into practice
- Assess the use of UBM and OCT in strabismus
- Compare use of genetic testing for eye disease in Canada and the USA

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer les résultats de l'étude canadienne SCREEN-ROP à leur pratique
- Évaluer l'utilisation de la biomicroscopie ultrasonique (UBM) et de la TCO pour traiter le strabisme
- Comparer l'utilisation des tests génétiques pour les maladies des yeux au Canada et aux États-Unis

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Arlene Drack, MD

MODERATORS | ANIMATRICES

Jane Gardiner, MD
Isabelle Laliberté, MD

FACULTY | CORPS PROFESSORAL

Ian MacDonald, MD, CM
Stephen Kraft, MD
Kourosh Sabri, MD

1545 Introduction

1546 Molecular genetic testing in congenital nystagmus patients • *Arlene Drack*

1606 Genetic testing for eye disease, the Canadian perspective • *Ian MacDonald*

1623 Using UBM and OCT in strabismus management • *Stephen Kraft*

1639 Lessons learned from the SCREEN-ROP study • *Kourosh Sabri*

1656 Discussion

1715 Adjourn

SCIENTIFIC PROGRAM
PROGRAMME SCIENTIFIQUE



SATURDAY | SAMEDI



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Proposée par La Société canadienne d'ophtalmologie

SATURDAY SNAPSHOT | SAMEDI – COUP D’ŒUIL

Palais des congrès						
Time Heure	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
0630 – 0800			Make IOL Calculations Great Again Co-developed accredited symposium Restaurer la grandeur : Des calculs liés aux LIO Symposium agréé élaboré conjointement (p. 64)			
0700 – 0800	Breakfast Petit déjeuner (Foyer 517BC)					
0800 – 1000	Current Concepts II Notions courantes II (p. 66)					CSOMP SCPMO (p. 113)
1000 – 1045	Break in the Exhibit Hall Pause dans la salle d'exposition					
1045 – 1215	The Big Picture: Improving glaucoma care Vue d'ensemble : Améliorer le traitement du glaucome (p. 67)	Cornea and Refractive Showdown Dans l'arène : Des chirurgies cornéennes et réfractives (p. 68)	The Cataract Surgeon's Toolbox to Manage the Difficult Cataract Le coffre à outil du chirurgien de la cataracte pour traiter les cas complexes (p. 69)	Pediatrics for the Comprehensive Ophthalmologist Pédiatrie pour l'ophtalmologiste complet (p. 70)	STC: Retina – Scleral fixated IOL implants CTC : Rétine – Implants LIO à fixation sclérale (p. 105)	CSOMP SCPMO (p. 113)

Palais des congrès						
Time Heure	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
1215 – 1330	President's Luncheon (Invite Only) Dîner du Président (Sur invitation seulement) Lunch in the Exhibit Hall Dîner dans la salle d'exposition					
1330 – 1500	Intraoperative Tips and Post-Operative Management in Glaucoma Conseils peropératoires et gestion postopératoire du glaucome (p. 71)	New Strategies for Old Corneal Issues De nouvelles stratégies pour d'anciens problèmes de cornée (p. 72)	Ergonomics: Tell me, doctor, where does it hurt? Ergonomie : Dites-moi, docteur, où avez-vous mal? (p. 73)	Retinopathy of Prematurity, Strabismus and Albinism Rétinopathie du prématuré, strabisme et albinisme (p. 74)	STC: Cataract – Anterior vitrectomy CTC : Cataracte – Vitrectomie antérieure (p. 106)	CSOMP SCPMO (p. 113)
1500 – 1545	Break in the Exhibit Hall Pause dans la salle d'exposition					
1545 – 1715	Glaucoma Surgery: Free papers Chirurgie du glaucome : Exposés libres (p. 75)	Things That Make You Go Hmm: Latest options in refractive corneal surgery Ces choses qui vous laissent perplexes : Nouveautés en chirurgie réfractive de la cornée (p. 76)	Clinical Update: Retina Mise à jour clinique : Rétine (p. 77)	Pediatrics: Pot-pourri Pédiatrie : Pot-pourri (p. 78)	STC: Cataract (Repeat) – Anterior vitrectomy CTC : Cataracte (reprise) – Vitrectomie antérieure (p. 106)	CSOMP SCPMO (p. 113)
Evening Soirée	Subspecialty Dinners Soupers des sociétés affiliées					

—MAKE IOL— CALCULATIONS GREAT AGAIN

THE DEBATE ON NEW AND OLD METHODS

RESTAURER LA GRANDEUR
DES CALCULS LIÉS AUX LIO

LE DÉBAT SUR LES ANCIENNES
MÉTHODES ET LES NOUVELLES

0630 – 0750

PALAIS DES CONGRÈS

ROOM | SALLE 519AB

SCIENTIFIC PLANNING COMMITTEE
COMITÉ DE PLANIFICATION SCIENTIFIQUE

Chair: Iqbal (Ike) Ahmed, MD

COS Representative: Colin Mann, MD

LEARNING OBJECTIVES:

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

- Describe the benefits and limitations of using traditional IOL calculations compared with the latest generation multi-variable formulas
- Assess the benefits, challenges, and limitations associated with intraoperative wavefront aberrometry in cataract surgery
- Describe the merits of various approaches to IOL calculations and technologies used in IOL selection for a range of patients

OBJECTIFS D'APPRENTISSAGE :

À la fin de la session, les participants pourront :

- Décrire les avantages et les limites de l'utilisation des formules de calcul traditionnelles de la puissance des LIO par rapport aux formules multivariées de dernière génération
- Évaluer les avantages, les limites et les obstacles associés à l'aberrométrie du front d'onde peropératoire dans la chirurgie de la cataracte
- Décrire les avantages des différentes méthodes de calcul de la puissance des LIO et des technologies utilisées pour choisir les LIO chez différents patients

Co-developed accredited symposium
Symposium agréé élaboré conjointement



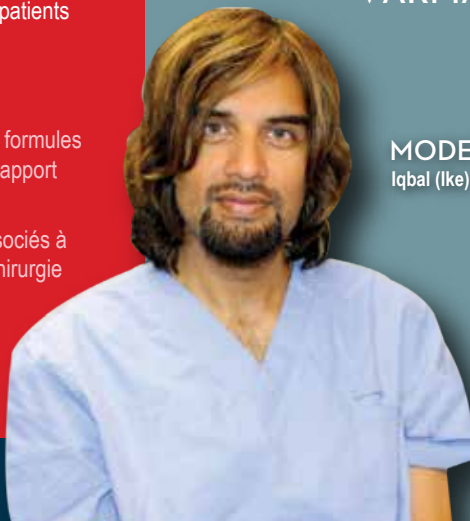
BLAYLOCK



ALBERT



VARMA



MODERATOR
Iqbal (Ike) Ahmed, MD

Live from the Palais des congrès in Montréal on Saturday, June 17, 2017... it's **Make IOL Calculations Great Again**

Join Moderator Dr. Iqbal (Ike) Ahmed as he leads our ophthalmic debaters through a gripping 80-minute match of point and counterpoint on the use of various IOL calculations and technology options available for cataract surgery.

Classic IOL calculations or multi-variable formulas? What about intraoperative wavefront aberrometry in cataract surgery? Which debater will present the most compelling evidence? Will the debate be hijacked by scandal?

With an entire country on the edge of their seats about the evolution of IOL calculations and technology choices in cataract surgery, there has never been a contest as crucial as this one!

En direct du Palais des congrès à Montréal, le samedi 17 juin 2017... **Restaurer la grandeur des calculs liés aux LIO**

Le Dr Iqbal (Ike) Ahmed animera notre débat ophtalmologique, qui prendra la forme d'un match de 80 minutes d'arguments et de contre-arguments sur l'utilisation de diverses formules de calcul de la puissance des LIO et des technologies possibles en chirurgie de la cataracte.

Calculs traditionnels de la puissance des LIO ou formules multivariées? Qu'en est-il de l'aberrométrie du front d'onde peropératoire en chirurgie de la cataracte? Quel panéliste présentera les données les plus probantes? Le débat sera-t-il frappé par un scandale?

Le pays tout entier attendant avec impatience des nouvelles de l'évolution du calcul de la puissance des LIO et des options technologiques en chirurgie de la cataracte, aucun débat n'aura jamais eu une importance aussi marquante que celui-ci!

AGENDA | HORAIRE

0600-0630:

Breakfast is served

0630-0635:

Welcome and introductions: Dr. Ike Ahmed

0635-0750:

Symposium

The symposium will be formatted as a three-way presidential debate where science will share stage-time with humour in the style of CBC's *The Debaters*.

The audience will be invited to ask questions and participate in the discussion via polling.

Le symposium prendra la forme d'un débat présidentiel à trois candidats où science et humour se côtoient à la façon de l'émission *The Debaters* de la chaîne CBC.

Le public sera invité à poser des questions et à participer à la discussion en votant.



DEBATER

John Blaylock, MD



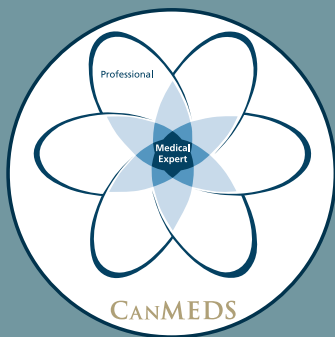
DEBATER

Darren Albert, MD



DEBATER

Divesh Varma, MD



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.

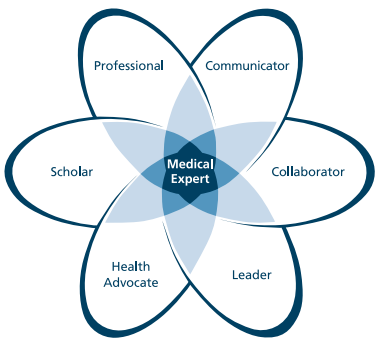
Le présent symposium a été élaboré conjointement avec la Société canadienne d'ophtalmologie et **Alcon** de manière à respecter les principes d'intégrité, d'objectivité et d'équilibre scientifiques.

Current Concepts II

Notions courantes II

0800 – 1000 • Room | Salle 517A

CANADIAN OPHTHALMOLOGICAL SOCIETY
SOCIÉTÉ CANADIENNE D'OPHTALMOLOGIE



CANMEDS

LEARNING OBJECTIVES

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

- Consider the possibility that PAM is melanoma in situ and is never benign
- Discuss the place for gene therapy in RPE 65 associated Leber's congenital amaurosis
- Implement available OCT information to diagnose glaucoma and glaucoma progression
- Incorporate the findings of the EAGLE trial into clinical practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Envisager la possibilité que la mélanose primaire acquise est un mélanome in situ et qu'elle n'est jamais bénigne
- Discuter de la place de la thérapie génique dans l'amaurose congénitale de Leber liée au gène RPE 65
- Utiliser les données de la TCO pour diagnostiquer le glaucome et sa progression
- Incorporer les résultats de l'essai EAGLE à la pratique clinique

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Augusto Azuara-Blanco, MD, PhD
Don Budenz, MD, PhD
Diana V. Do, MD
Arlene Drack, MD
Richard A. Lewis, MD
George Matos, CAT(C), CSEP-CPT, RCRT, BA Kin
Rene Rodrigues-Sains, MD

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
Amin Kherani, MD

- 0800** Introduction • *Yvonne M. Buys*
- 0802** OCT for glaucoma: Where are we now and where are we going? • *Don Budenz*
- 0816** Current management of angle closure glaucoma • *Augusto Azuara-Blanco*
- 0830** 5 pearls for cataract surgery in the glaucoma patient • *Richard A. Lewis*
- 0844** Discussion
- 0850** Gene therapy for RPE65 associated Leber congenital amaurosis • *Arlene Drack*

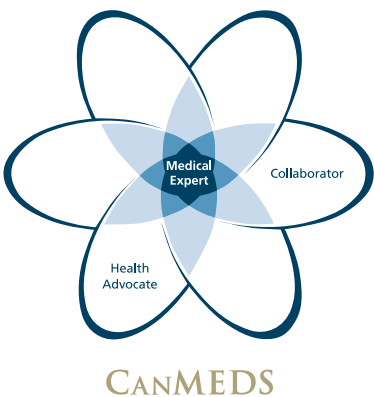
- 0904** Skin and conjunctival melanoma: Much more in common than not • *Rene Rodrigues-Sains*
- 0918** Update on management of diabetic macular edema • *Diana V. Do*
- 0932** Discussion
- 0937** **COS Lecture:** Re-attaching the focus on body mechanics and ergonomics • *George Matos*
- 0957** Discussion
- 1000** Adjourn

The Big Picture: Improving glaucoma care

Vue d'ensemble : Améliorer le traitement du glaucome

1045 – 1215 • Room | Salle 517A

CANADIAN GLAUCOMA SOCIETY | SOCIÉTÉ CANADIENNE DU GLAUCOME



LEARNING OBJECTIVES

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

- Assess the challenges of evolving practice patterns
- Describe the challenges of glaucoma care in other countries
- Integrate novel training methodologies to improve patient care

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront

- Évaluer les défis de l'évolution des modes de pratique
- Décrire les défis des soins du glaucome dans d'autres pays
- Intégrer des méthodes de formation novatrices pour améliorer les soins aux patients

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Augusto Azuara-Blanco, MD, PhD
Don Budenz, MD, PhD
Nathan Congdon, MD, MPH
Richard A. Lewis, MD

MODERATORS | ANIMATEURS

Beatrice Des Marchais, MD
Paul Rafuse, MD

1045 Improving surgical results in rural China •
Nathan Congdon

1100 Discussion

1103 Glaucoma in West Africa • *Don Budenz*

1118 Discussion

1121 Why are patients still presenting with severe glaucoma, and what should we do?
• *Augusto Azuara-Blanco*

1136 Discussion

1139 Gonioscopy post laser iridotomy: A healthcare quality improvement intervention study • **Milime Keyeutat Tondji**, *Beatrice Des Marchais, Elianne De Larochellière, Ralph Kyrillos*

1147 Discussion

1149 Integrating novel treatment into practice
• *Richard A. Lewis*

1204 Discussion panel

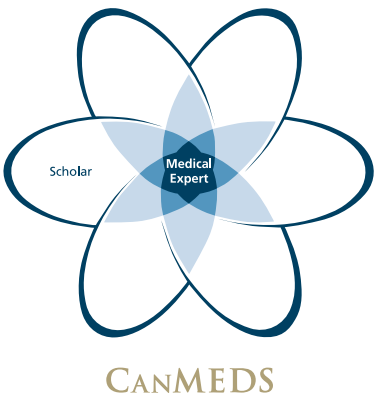
1215 Adjourn

Cornea and Refractive Showdown

Dans l'arène : Des chirurgies cornéennes et réfractives

1045 – 1215 • Room | Salle 518AB

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:

- List advantages and disadvantages of the various types of corneal transplants
- List advantages and disadvantages of certain types of corneal-based refractive procedures
- Describe current trends in refractive cataract surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Dresser la liste des avantages et des inconvénients de différents types de greffes de cornée
- Dresser la liste des avantages et des inconvénients de certains types de chirurgies réfractives cornéennes
- Décrire les tendances actuelles en chirurgie réfractive de la cataracte

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Damien Gatinel, MD
Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed.)

PANELISTS | PANÉLISTES

Ron Baldassare, MD
Jamie Bhamra, MD
Dev Cheema, MD

MODERATOR | ANIMATEUR

Paul Dubord, MD

1045 Introduction

1047 Keratoplasty for ectasia and anterior corneal pathology: PKP is better
• *Mahshad Darvish-Zargar*

1052 Keratoplasty for ectasia and anterior corneal pathology: DALK is better • *Hall F. Chew*

1057 Discussion

1100 Crosslinking for ectasia: Epithelium-on is better • *Joshua Teichman*

1105 Crosslinking for ectasia: Epithelium-off is better • *Rusty Ritenour*

1110 Discussion

1113 Keratoplasty for endothelial dysfunction: DSAEK is better • *Neera Singal*

1118 Keratoplasty for endothelial dysfunction: DMEK is better • *Michèle Mabon*

1123 Discussion

1126 Laser vision correction for myopia: LASIK is better • *Damien Gatinel*

1131 Laser vision correction for myopia: SMILE is better • *Jodhbir S. Mehta*

1136 Discussion

1139 IOL calculations in eyes with corneal conditions • *Guillermo Rocha*

1149 Comparison of femtolasers • *Jodhbir S. Mehta*

1159 Trifocal vs Bifocal vs EDOF IOLs • *Damien Gatinel*

1209 Discussion

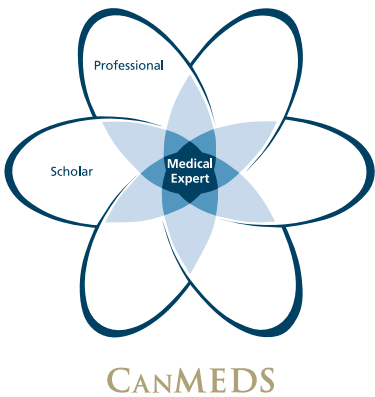
1215 Closing remarks

The Cataract Surgeon's Toolbox to Manage the Difficult Cataract

Le coffre à outil du chirurgien
de la cataracte pour traiter les
cas complexes

1045 – 1215 • Room | Salle 519AB

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Utilize various devices and techniques to manage zonulopathies
- Demonstrate vitreous decompression techniques for malignant glaucoma
- Integrate posterior vitrectomy in anterior segment surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Utiliser divers dispositifs et techniques pour traiter les zonulopathies.
- Démontrer les techniques de décompression du vitré dans les cas de glaucome malin.
- Intégrer la vitrectomie postérieure à la pratique de la chirurgie du segment antérieur.

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Richard A. Lewis, MD
Arsham Sheybani, MD

MODERATOR | ANIMATEUR

Iqbal (Ike) Ahmed, MD

FACULTY | CORPS PROFESSORAL

Darren Behn, MD
Michael Dorey, MD
Sébastien Gagné, MD
Garfield Miller, MD
Lindsay Ong-Tone, MD
Matthew Schlenker, MD
Devesh Varma, MD

1045 Introduction

1047 My chopper can cut through soft, medium and rock hard cataracts: Here's how • *Matthew Schlenker*

1052 Discussion

1055 I prefer pupillary rings for small pupils and here's how I use them • *Darren Behn*

1100 I prefer iris hooks for small pupils and here's how I use them • *Garfield Miller*

1105 Discussion

1110 How I tackle the shallow AC • *Richard A. Lewis*

1115 Discussion

1118 How I use capsular tension rings • *Sébastien Gagné*

1123 When and how I use capsular retractors • *Arsham Sheybani*

1128 Discussion

1133 Here's how I clean up vitreous prolapse • *Iqbal (Ike) Ahmed*

1138 Discussion

1141 My technique for repositioning a malrotated toric IOL • *Lindsay Ong-Tone*

1146 Discussion

1149 My fastball approach to exchanging an in-the-bag PCIOL • *Michael Dorey*

1154 Discussion

1157 Suturing an iris defect that anyone can learn • *Devesh Varma*

1202 Discussion

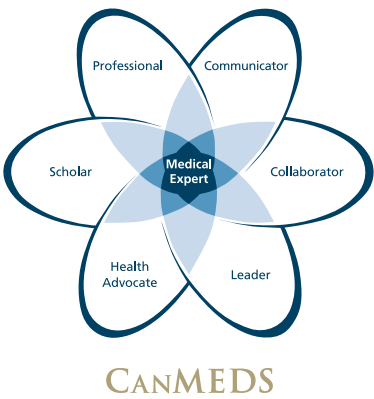
1215 Adjourn

Pediatrics for the Comprehensive Ophthalmologist

Pédiatrie pour l’ophtalmologiste complet

1045 – 1215 • Room | Salle 522ABC

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



LEARNING OBJECTIVES

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

- Assess new knowledge in pediatric ophthalmology
- Integrate information about amblyopia and strabismus surgery into a comprehensive ophthalmology practice
- Describe an approach to the congenital nystagmus patient

OBJECTIFS D’APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les nouvelles connaissances en ophtalmologie pédiatrique
- Intégrer les informations sur l’amblyopie et la chirurgie du strabisme à une pratique complète de l’ophtalmologie
- Décrire une approche pour les patients atteints de nystagmus congénital

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Arlene Drack, MD

MODERATORS | ANIMATEURS

Marcele Falcao, MD, PhD
Kamiar Mireskandari, MBChB, FRCSEd,
FRCOphth, PhD

FACULTY | CORPS PROFESSORAL

Michael Flanders, MD
Jane Gardiner, MD
Inas Makar, MD
Conor Mulholland, MD
Michael O’Connor, MD

1045 Introduction

1046 Pediatric ophthalmology secrets: What they don’t want you to know! • *Michael O’Connor*

1055 Changes in clinical practice in pediatric ophthalmology and strabismus • *Inas Makar*

1104 The clinical workup of congenital nystagmus • *Arlene Drack*

1114 Discussion

1124 Amblyopia – Practical lessons from the PEDIG studies • *Jane Gardiner*

1133 Strabismus surgery: Does it work? Is it safe? • *Conor Mulholland*

1142 Diplopia after cataract surgery • *Michael Flanders*

1151 Discussion

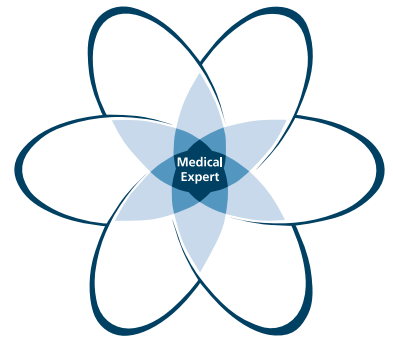
1215 Adjourn

Intraoperative Tips and Post-Operative Management in Glaucoma

Conseils peropératoires et gestion postopératoire du glaucome

1330 – 1500 • Room | Salle 517A

CANADIAN GLAUCOMA SOCIETY | SOCIÉTÉ CANADIENNE DU GLAUCOME



CANMEDS

LEARNING OBJECTIVES

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

- Differentiate between the new glaucoma procedures
- Explain the differences in post-operative management
- Discuss the role of the new glaucoma procedures

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Distinguer les nouvelles opérations du glaucome
- Expliquer les différences dans la prise en charge postopératoire
- Discuter du rôle des nouvelles opérations du glaucome

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Augusto Azuara-Blanco, PhD, FRCS (Ed.),
FRCOphth

MODERATORS | ANIMATEURS

Michael Dorey, MD
Darana Yuen, MD

FACULTY | CORPS PROFESSORAL

Iqbal (Ike) Ahmed, MD
Bryce Ford, MD
Patrick Gooi, MD
Priya Gupta, MD
Paul Harasymowycz, MD
Mark Lesk, MD
David Marshall, MD
Hady Saheb, MD
Matthew Schlenker, MD
Andrew Toren, MD

1330 New procedures in UK and Europe •
Augusto Azuara-Blanco

1342 Discussion

1345 Trabeculectomy • *Bryce Ford*

1351 Valve • *Mark Lesk*

1357 Ablation • *Andrew Toren*

1405 XEN • *Priya Gupta*

1410 InFocus • *Matthew Schlenker*

1415 Cypass • *Iqbal (Ike) Ahmed*

1420 Trabectome • *David Marshall*

1425 iStent • *Paul Harasymowycz*

1430 Kahook Dual Blade • *Hady Saheb*

1435 Gonioscopy assisted transluminal
trabeculotomy (GATT) • *Patrick Gooi*

1440 Discussion panel • *Augusto Azuara-
Blanco, Don Budenz*

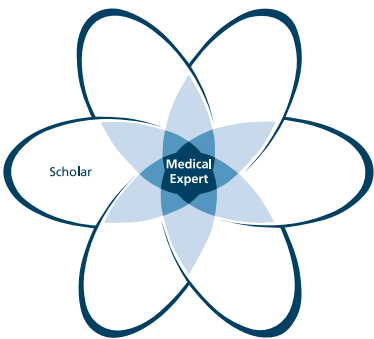
1500 Adjourn

New Strategies for Old Corneal Issues

De nouvelles stratégies pour d'anciens problèmes de cornée

1330 – 1500 • Salle 518AB

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



CANMEDS

LEARNING OBJECTIVES

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

- Describe treatments available for anesthetic, vascularized, infected, non-healing corneas
- List criteria for progression of keratoconus

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les traitements possibles pour une cornée anesthésique, vascularisée, infectée ou qui ne guérit pas
- Dresser la liste des critères de progression du kératocône

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Damien Gatinel, MD

MODERATOR | ANIMATEUR

Allan Slomovic, MD

PANELISTS | PANÉLISTES

Jit Gohill, MD

Vikas Sharma, MD

1330 Introduction

1332  Corneal neurotisation reinnervates anaesthetic corneas and improves ocular surface health • **Asim Ali**, Simon S. M. Fung, Joseph Catapano, William Halliday, Emily Ho, Ronald Zuker, Gregory Borschel

1337 A novel amniotic membrane-conformer assembly for acute Stevens-Johnson syndrome/toxic epidermal necrolysis • **Simon S. M. Fung**, Michael Webb, Crystal Cheung, Hall F. Chew, Kamiar Mireskandari, Asim Ali

1342 The EyePrintPRO therapeutic scleral contact lens: Indications and outcomes • **Michael T. B. Nguyen**, Vishakha Thakrar, Clara C. Chan

1347 Discussion

1352 The value of corneoscleral rim cultures in keratoplasty: A systematic review and cost-effectiveness analysis • **Efstathia Kiatos**, William Hodge, James J. Armstrong, Stephen Tsioros, Monali Malvankar, Cindy Hutnik

1357 Feasibility of implementing a national corneal transplant registry: 2016 update on the Ottawa pilot study

• **Reginald Robert G. Tan**, Yufeng Chen, Mohammed Taha, Pablo Morales, Harrish Nithianandan, George Mintsoulis, Setareh Ziai, Kashif Baig

1402 Vitritis after Boston keratoprosthesis type 1 implantation • **Davin E. Johnson**, Marie-Claude Robert, Soumaya Bouhout, Mona Harissi-Dagher

1407 Discussion

1412 **BRUCE JACKSON LECTURE:** Redefining the criteria for keratoconus progression • **Damien Gatinel**

1422 Discussion

1425 Influence of pupil dynamics for treatment centration • **Damien Gatinel**

1435 Discussion

1438 Handling corneal neovascularization in 2017 • **Johanna Choremis**

1444 CXL for corneal infections • **Marie-Ève Légaré**

1450 Update on amniotic membrane options for the ocular surface • **Louis Racine**

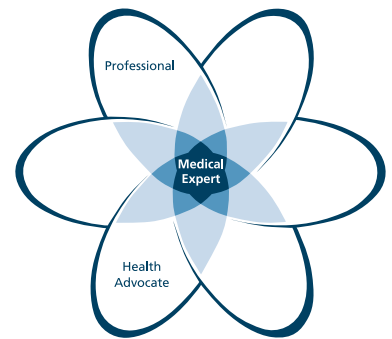
1456 Discussion

1500 Closing remarks

Ergonomics: Tell me, doctor, where does it hurt?

Ergonomie : Dites-moi, docteur, où avez-vous mal?

1330 – 1500 • Room | Salle 519AB



CANMEDS

LEARNING OBJECTIVES

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

- Describe the common ergonomics problems ophthalmologists experience in clinical practice
- Describe common ergonomics issues with physicians using electronic medical records
- List commercial products available to protect against repetitive stress injuries in ophthalmology
- List personal products available to optimize neck and back posture
- Recognize the risks of some common injuries associated with tasks requiring sustained and awkward postures
- Identify workplace mechanisms of injury and basic prevention solutions

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les problèmes d'ergonomie courants des ophtalmologistes cliniciens
- Décrire les problèmes d'ergonomie courants des médecins qui utilisent des dossiers médicaux électroniques
- Dresser la liste des produits commerciaux offrant une protection contre les traumatismes liés au stress répétitif en ophtalmologie
- Dresser la liste des produits personnels permettant d'optimiser la position du cou et du dos
- Reconnaître les risques de certaines blessures courantes associées à des tâches effectuées dans une position inconfortable ou maintenue pendant une longue période
- Détecter les mécanismes des blessures liées au travail et les solutions de prévention de base

GUEST SPEAKER | CONFÉRENCIER INVITÉ

George Matos, CAT(C), CSEP-CPT, BA Kin

MODERATORS | ANIMATEURS

Lorne Bellan, MD
William Turk, MD

FACULTY | CORPS PROFESSORAL

Ashley Brissette, MD
Vlad Diaconita, MD
Femida Kherani, MD
Timothy Ratzlaff, MD

1330 Introduction • *Lorne Bellan*

1333 The incidence and effects of work-related musculoskeletal injury among ophthalmologists • *Ashley Brissette*

1341 Occupational musculoskeletal pain & injury in Canadian ophthalmologists • *Vlad Diaconita*

1349 Discussion

1355 Developing an educational module for ergonomics in ophthalmology • *Timothy Ratzlaff*

1403 Canadian Ophthalmic Practitioner Ergonomic (COPE) survey • *Femida Kherani*

1411 Discussion

1416 Re-attaching the focus • *George Matos*

1446 Discussion

1457 Closing remarks

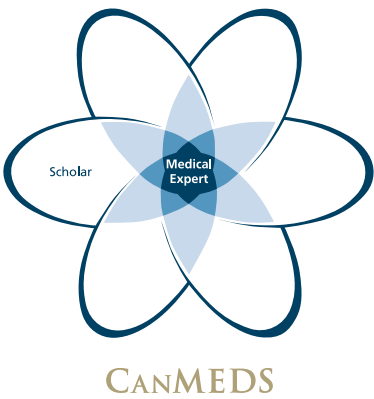
1500 Adjourn

Retinopathy of Prematurity, Strabismus and Albinism

Rétinopathie du prématuré,
strabisme et albinisme

1330 – 1500 • Room | Salle 522ABC

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



LEARNING OBJECTIVES

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

- Integrate new research in retinopathy of prematurity into practice
- Describe the basis for vision problems in albinism
- Apply new information regarding retrobulbar anesthesia and overcorrection of exotropia, in strabismus surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer de nouveaux résultats de recherches sur la rétinopathie du prématuré à la pratique
- Décrire la base des troubles de vision des personnes atteintes d'albinisme
- Appliquer de nouvelles informations concernant l'anesthésie rétrobulbaire et la surcorrection d'exotropies en chirurgie du strabisme

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Arlene Drack, MD

MODERATORS | ANIMATRICES

Jane Gardiner, MD
Eleni Papanagnu, MD

1330 Introduction

1331 Macular appearance on optical coherence tomography following unilateral bevacizumab injection for retinopathy of prematurity • **Maram Isaac**, Antony Clark, Tom Wright, Carol Westall, Kamiar Mireskandari, Nasrin N. Tehrani

1338 Foveal avascular zone parameters and perifoveal capillary density of retinopathy of prematurity versus normal eyes imaged with optical coherence tomography angiography • **Salina Teja**, Zaid Mammo, Morgan Heisler, Andrew Merkur, Mirza F. Beg, Myeong J. Ju, Yifan Jian, Eduardo Navajas, Marinko Sarunic

1345 Outcomes of laser treatment for retinopathy of prematurity: A 10-year perspective • **Seema Emami**, Maram Isaac, Kamiar Mireskandari, Nasrin N. Tehrani

1352 Stage 3 retinopathy of prematurity persisting beyond 40 Weeks of post menstrual age: Outcomes and risk factors for treatment • **Robert Koucheiki**, Maram Isaac, Nasrin N. Tehrani, Kamiar Mireskandari

1359 The effect of anti-vascular endothelial growth factor injection on growth and organ development of the neonate: In-vivo study • **Sina Khalili**, Yulia Shifrin, Jingyi Pan, Jaques Belik, Kamiar Mireskandari

1406 Discussion

1415 Why can't patients with albinism see well? • **Arlene Drack**

1435 Discussion

1441 Retrobulbar anesthesia for adjustable strabismus surgery in adults • **Razek Georges Coussa**, Milad Modabber, Andrei Dan, Michael Flanders

1448 Effect of overcorrection on ocular alignment after bilateral lateral rectus recession for intermittent exotropia • **Sarit Khimdas**, Monali Malvankar, Sapna Sharan

1455 Discussion

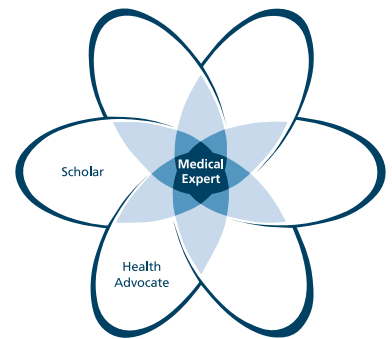
1500 Adjourn

Glaucoma Surgery: Free Papers

Chirurgie du glaucome : Exposés libres

1545 – 1715 • Room | Salle 517A

CANADIAN GLAUCOMA SOCIETY | SOCIÉTÉ CANADIENNE
DU GLAUCOME



CANMEDS

LEARNING OBJECTIVES

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

- Describe the evidence behind some of the new glaucoma procedures
- Differentiate between the new procedures
- Discuss how research extends beyond the initial or pivotal study on a particular procedure

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les données probantes à la base des nouvelles opérations du glaucome
- Faire la distinction entre les nouvelles opérations
- Discuter de la façon dont la recherche dépasse l'étude initiale ou de l'étude pivot sur une intervention particulière

MODERATORS | ANIMATEURS

Caroline Lajoie, MD
David Yan, MD

1545 Gonioscopy-assisted transluminal trabeculotomy (GATT): The western Canadian experience • **Stephanie L. Cote**, Bryce Ford, Patrick Gooi

1552 Discussion

1554  Episcleral venous outflow: A potential outcome marker for iStent surgery • **Cristina Bostan**, Paul Harasymowycz

1601 Discussion

1603 Comparison of two transscleral cyclophotocoagulation treatment settings in glaucoma • **Mathieu Carrière**, Andrew Toren

1610 Discussion

1612 Efficacy and safety of standalone ab interno gelatin microstent implantation with MMC versus standalone trabeculectomy with MMC: Multi-center retrospective cohort design • **Matthew Schlenker**, Husayn Gulamhusein, Alix Somers, Ina Conrad-Hengerer, Ingeborg Stalmans, Fritz Hengerer, Iqbal (Ike) Ahmed

1619 Discussion

1621 Surgeon perspectives and learning curve with an ab interno gelatin microstent • **Andrei-Alexandru Szigiato**, Simrenjeet Sandhu, Gokulan Ratnarajan, Michael Dorey, Iqbal (Ike) Ahmed

1628 Discussion

1630 When is evidence enough evidence? • **Cindy Hutnik**, Jeffrey Chow, Monali Malvankar

1637 Discussion

1639 Canadian Glaucoma Society business meeting

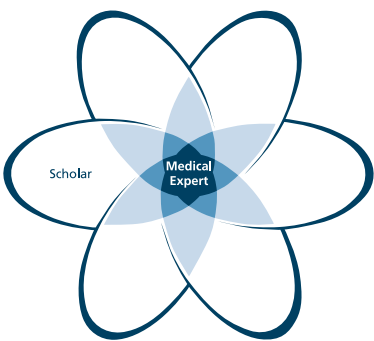
1715 Adjourn

Things That Make You Go Hmm: Latest options in refractive corneal surgery

Ces choses qui vous laissent perplexes : Nouveautés en chirurgie réfractive de la cornée

1545 – 1715 • Room | Salle 518AB

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



CANMEDS

LEARNING OBJECTIVES

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

- Describe procedures performed to improve vision in ectasia
- Assess developments in corneal-based laser vision correction

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les interventions pratiquées pour améliorer la vision dans les cas d'ectasie
- Évaluer l'évolution de la correction de la vue (de la cornée) au laser

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Damien Gatinel, MD
Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed)

MODERATOR | ANIMATRICE

Mona Harissi-Dagher, MD

PANELISTS | PANÉLISTES

Mark Fava, MD
Mojgan Hassanlou, MD

1545 Introduction

1547 Phototherapeutic keratectomy: A review of indications and outcomes using a novel refractively neutral technique • **Michael T. B. Nguyen**, Armand Borovik, Nir Sorkin, David Rootman, Clara C. Chan

1552 Higher order aberration (HOA) guided phototherapeutic keratectomy (PTK) and collagen crosslinking (CXL) in the treatment of keratoconus • **Victor Penner**, Kylee Lewis, Guillermo Rocha

1557 Outcomes of small-incision lenticule extraction (SMILE) in myopia • **Mohammad Hamid**, Michel Podtetennev

1602 Discussion

1607 Update on corneal inlay options for presbyopia correction • *Damien Gatinel*

1617 Update on laser refractive surgery options for presbyopia correction • *Jodhbir S. Mehta*

1627 Discussion

1632  A head to head comparison of CXL alone vs CXL+ICR vs CXL+TG-PRK in patients with

progressive keratoconus, PMD, and LASIK-induced corneal ectasia: A prospective single center trial • *Neera Singal*, **Stephan Ong Tone**, Raymond Stein, Matthew Bujak, Clara C. Chan, Hall F. Chew, Sherif El-Defrawy, Yaping Jin, Theodore Rabinovitch, David Rootman, Allan Slomovic, Wendy Hatch

 1637 **RON JANS AWARD:** Corneal collagen cross-linking in the management of keratoconus in Canada: A cost-effectiveness analysis • **Victoria C. Leung**, Petros Pechlivanoglou, Hall F. Chew, Wendy Hatch

1642 Visual, refractive, and tomographic outcomes of adolescents following corneal collagen cross-linking for keratoconus • *Esteban Santiago*, **Vinay Kansal**, Yelin Yang, Kashif Baig

1647 Discussion

1652 Rainbow glare after FemtoLasik: Cause, mechanism, and correction • *Damien Gatinel*

1702 The science behind SMILE • *Jodhbir S. Mehta*

1712 Discussion

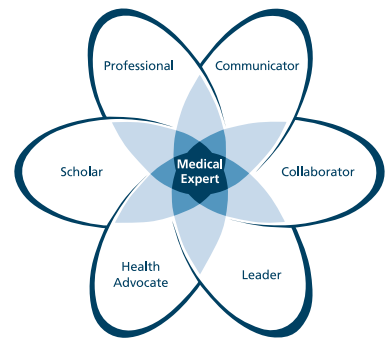
1715 Closing remarks

Clinical Update: Retina

Mise à jour clinique : Rétine

1545 – 1730 • Room | Salle 519AB

CANADIAN RETINA SOCIETY | SOCIÉTÉ CANADIENNE
DE LA RÉTINE



CANMEDS

LEARNING OBJECTIVES

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

- Describe indications and efficacy of the Argus Retinal Implant for advanced inherited retinal disease
- Describe recent clinical trials in inherited retinal diseases.
- Describe a macular buckle and its indications and surgical technique
- Identify successes and barriers in the development and operations of a Canadian ASC that performs retinal surgery
- Review current models, practice patterns and trends in a CDN medical retina injection practice and hypothesize where technology and pharmaceutical innovations will move such trends in the future
- Describe possible benefits of advanced surgical modalities including endoscopic surgery and 3D retina surgery in patient care and teaching

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront

- Décrire les indications et l'efficacité de l'implant rétinien Argus pour traiter les cas avancés de maladies de la rétine héréditaires
- Décrire les essais cliniques récents sur les maladies de la rétine héréditaires
- Décrire une boucle maculaire, ses indications et la technique chirurgicale
- Décerner les avantages et les obstacles à la création et au fonctionnement d'un centre chirurgical avancé canadien où l'on pratique la chirurgie de la rétine
- Passer en revue les modèles actuels, les modèles de pratique et les tendances dans un centre médical canadien d'injection rétinienne et formuler des hypothèses sur l'impact des technologies et des innovations pharmaceutiques sur ces modèles
- Décrire les avantages possibles des modalités chirurgicales avancées, y compris la chirurgie endoscopique et la chirurgie de la rétine en 3D pour les soins aux patients et dans l'enseignement

MODERATORS | ANIMATEURS

Amin Kherani, MD
Matthew Tennant, MD

FACULTY | CORPS PROFESSORAL

Rob Devenyi, MD
Mark Greve, MD
Jason Noble, MD
Cynthia Qian, MD
Flavio Rezende, MD
Geoff Williams, MD

1545 Welcome remarks

1550 Canadian experience with Argus implant
• Rob Devenyi

1605 Update on recent clinical trials in inherited retinal diseases • Cynthia Qian

1620 The macular buckle • Mark Greve

1635 Endoscopy-assisted vitrectomy: What's happening behind the scenes...
• Flavio Rezende

1650 Retina ambulatory surgical center – Is it a reality in the Canadian landscape? • Geoff Williams

1705 Injections – Now and the future • Jason Noble

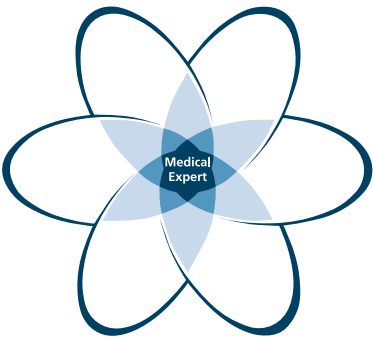
1720 Getting a “heads up” in retinal surgery: A Canadian perspective on 3D technology • Varun Chaudhary

1730 CRS business meeting

Pediatrics: Pot-pourri
Pédiatrie : Pot-pourrie

1545 – 1715 • Room | Salle 522ABC

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



CANMEDS

LEARNING OBJECTIVES

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

- Describe the treatable genetic pediatric eye disorders
- Assess the treatment of pediatric traumatic cataracts, ocular trauma, and JIA uveitis
- Assess photo-screening in children

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les troubles oculaires pédiatriques génétiques qui peuvent être traités
- Évaluer le traitement de la cataracte traumatique, du traumatisme oculaire et de l'uvéite liée à l'arthrite juvénile en pédiatrie
- Évaluer le photo-dépistage chez les enfants

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Arlene Drack, MD

MODERATORS | ANIMATEURS

Patrick Hamel, MD
Michael O'Connor, MD

1545 Introduction

1546 Surgery in paediatric traumatic cataracts: Visual and refractive outcomes in traumatic paediatric cataracts • **Kamiar Mireskandari**, Anne-Marie Yardley, Asim Ali, Nasrin N. Tehrani

1553 Systemic immunosuppression in juvenile idiopathic arthritis (JIA)-related and idiopathic uveitis: Impact on ophthalmic surgeries • **Crystal SY Cheung**, Kamiar Mireskandari, Asim Ali, Earl Silverman, Nasrin N. Tehrani

1600 Pediatric ocular injuries: A 3-year review of patients presenting to an emergency department in Canada • **Cyril Archambault**, Assia Mekliche, Nicole Fallaha, Caroline Bélanger, Rosanne Superstein

1607 Discussion

1615 Treatable pediatric genetic eye disorders in 2017 • Arlene Drack

1638 Discussion

1646 Ophthalmic needs of families living in family shelters in Toronto • **Fady Sedarous**, Helen Dimaras, Maram Isaac, Myrna Lichter, Nasrin N. Tehrani

1653 Community-wide photoscreening in children using the Plusoptix S12C automated photoscreener • **Inas Makar**, Afua Oteng-Amoako, Melanie Brimson-Theberge

1700 Ophthalmic associations and diagnostic criteria of PHACE syndrome • **David W. Wei**, Lauren Y. Chan, Alexandra Pennal, Elena Pope, Kamiar Mireskandari

1707 Discussion

1715 Canadian Association of Pediatric Ophthalmology and Strabismus business meeting

SCIENTIFIC PROGRAM
PROGRAMME SCIENTIFIQUE



SUNDAY | DIMANCHE



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Thank you to the Canadian Ophthalmological Society for providing us with this space.



SUNDAY SNAPSHOT | DIMANCHE – COUP D’ŒUIL

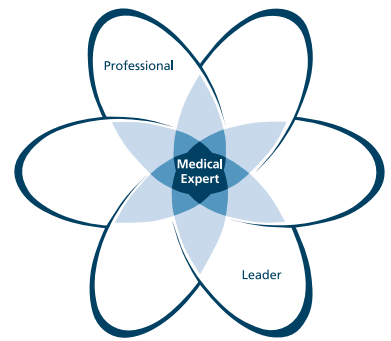
Palais des congrès							
Time Heure	Room Salle 516C	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
0630 – 0800	WIO Symposium Symposium : Les femmes et l’ophtalmologie (p. 84)						
0700 – 0800	Breakfast <i>Petit déjeuner</i> (Foyer 517BC)						
0800 – 1000		Current Concepts III Notions courantes III (p. 85)					TCOS LSCO (p. 114)
1000 – 1045	Break in the Exhibit Hall <i>Pause dans la salle d’exposition</i>						
1045 – 1215		Think BIG: MIGS and other therapies for the cataract surgeon Voir GRAND : Les MIGS et autres techniques pour le chirurgien de la cataracte (p. 86)	Retinal Imaging Workshop Atelier : Imagerie rétinienne (p. 87)	Low Vision Rehabilitation: Doing it right, doing it meaningfully Réadaptation visuelle de patients à faible vision : Bien le faire et de manière judicieuse (p. 88)	Ocular Regenerative Medicine Médecine oculaire régénérative (p. 89)	STC: Oculoplastics – Botulinum CTC : Oculoplastie – Toxine botulique (p. 107)	TCOS LSCO (p. 114)
1215 – 1330	Lunch in the Exhibit Hall <i>Dîner dans la salle d’exposition</i>						

Palais des congrès							
Time Heure	Room Salle 516C	Room Salle 517A	Room Salle 518AB	Room Salle 519AB	Room Salle 522ABC	Room Salle 524AB	Room Salle 524C
1330 – 1500		What's Up Doc? New research in cataract <i>Quoi de neuf, docteur? De nouvelles recherches dans le traitement de la cataracte</i> (p. 90)	Eliminating Avoidable Blindness in Canada and Around the Globe <i>Éliminer les cas de cécité évitables au Canada et ailleurs</i> (p. 92)	Exploring the Frontiers of Component Surgery of the Cornea <i>Explorer les limites de la chirurgie des composants de la cornée</i> (p. 93)	Symposium: The top five in uveitis <i>Symposium sur l'uvéite : Le top cinq du traitement de l'uvéite</i> (p. 94)		TCOS LSCO (p. 114)
1500 – 1545	Break Pause (Foyer 517BC)						
1545 – 1715		Keep Calm: Challenging cataract surgeries <i>Restons calme : Chirurgies complexes de la cataracte</i> (p. 95)		Making the Ocular Surface Great Again <i>Redonner sa grandeur à la surface oculaire</i> (p. 96)	What's New in Uveitis? <i>Uvéite : Quoi de neuf dans le domaine?</i> (p. 97)		TCOS LSCO (p. 114)

Women in Ophthalmology Symposium

Symposium: Les femmes et l'ophtalmologie

0630 – 0800 • Room | Salle 516C



CANMEDS

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
- Consider challenges in research and implement strategies to deal with these

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
- Tenir compte des obstacles en recherche et mettre en œuvre des stratégies pour les surmonter

GUEST SPEAKER | CONFÉRENCIÈRE INVITÉE

Isabelle Brunette, MD



MODERATOR | ANIMATRICE

Yvonne M. Buys, MD

0630 Breakfast and registration

0700 The challenges faced by women in research • *Isabelle Brunette*

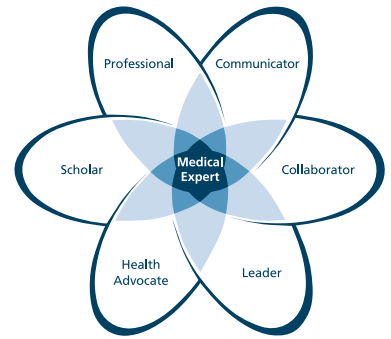
0800 Adjourn

Current Concepts III

Notions courantes III

0800 – 1000 • Room | Salle 517A

CANADIAN OPHTHALMOLOGICAL SOCIETY | SOCIÉTÉ
CANADIENNE D'OPHTALMOLOGIE



CANMEDS

LEARNING OBJECTIVES

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

- Explain the Canadian reporting structure for TASS
- Describe refractive issues of the young and not so young
- Evaluate the causes of uveitis

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Expliquer la structure hiérarchique de déclaration du syndrome toxique du segment antérieur au Canada
- Décrire les troubles réfractifs des jeunes et des moins jeunes
- Évaluer les causes de l'uvéïte

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Jyotirmay Biswas, MS, FMRF, FNAMS, FIC
Path., FAICO
Nathan Congdon, MD, MPH
Damien Gatinel, MD
Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed)
Arsham Sheybani, MD

MODERATORS | ANIMATEURS

Yvonne M. Buys, MD
Jean Deschênes, MD

- 0800** Introduction • Yvonne M. Buys
- 0802** Canadian TASS update • Simon P. Holland
- 0812** Discussion
- 0817** Trifocal IOLs: Optical principles and clinical efficiency • Damien Gatinel
- 0831** Discussion
- 0836** The cataract surgery that caused glaucoma • Arsham Sheybani
- 0850** Discussion
- 0855** Top 10 things you should know about endothelial keratoplasty • Jodhbir S. Mehta

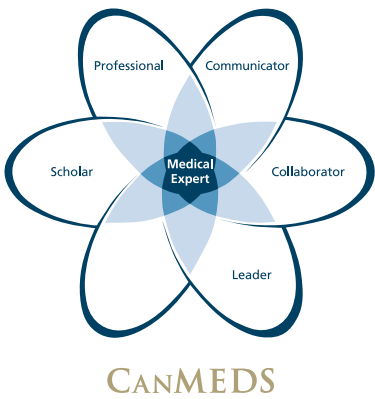
- 0909** Discussion
- 0914** **CJO Lecture:** Uveitis – Search for the cause • Jyotirmay Biswas
- 0934** Discussion
- 0939** Helping China manage its epidemic of childhood myopia • Nathan Congdon
- 0953** Discussion
- 1000** Adjourn

Think BIG: MIGS and other glaucoma therapies for the cataract surgeon

Voir GRAND : Les MIGS et autres techniques pour le chirurgien de la cataracte

1045 – 1215 • Room | Salle 517A

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Describe a number of MIGS devices and techniques
- Integrate MIGS into cataract surgeries
- Describe glaucoma physiology with MIGS

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire un certain nombre de dispositifs et de techniques de chirurgies du glaucome minimalement invasives (MIGS)
- Intégrer les MIGS aux chirurgies de la cataracte
- Décrire la physiologie du glaucome relativement aux MIGS

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Arsham Sheybani, MD

MODERATOR | ANIMATEUR

Devesh Varma, MD

FACULTY | CORPS PROFESSORAL

Iqbal (Ike) Ahmed, MD
Paul Harasymowycz, MD
Kenneth Roberts, MD
Hady Saheb, MD
David Yan, MD

1045 Learning about physiology through MIGS
• *Arsham Sheybani*

1100 Discussion

1105 iStent pearls for the new implanter • *David Yan*

1115 GATT pearls for the beginner • *Kenneth Roberts*

1125 Xen pearls for new implanters • *Paul Harasymowycz*

1135 KDB pearls for the beginner • *Hady Saheb*

1145 Cypass pearls for the beginner • *Iqbal (Ike) Ahmed*

1155 Cases and panel discussion

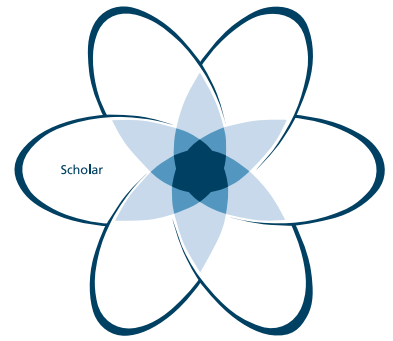
1215 Adjourn

Retinal Imaging Workshop

Atelier : Imagerie rétinienne

1045 – 1215 • Room | Salle 518AB

CANADIAN RETINA SOCIETY | SOCIÉTÉ CANADIENNE DE LA RÉTINE



CANMEDS

LEARNING OBJECTIVES

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

- Identify common conditions masquerading as age-related macular degeneration
- Differentiate between cystoid macular edema and diabetic macular edema
- Explain the utility of multi-modal imaging in differentiating common uveitic conditions

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Identifier les maladies communes se cachant sous la dégénérescence maculaire liée à l'âge
- Distinguer l'œdème maculaire cystoïde de l'œdème maculaire diabétique
- Expliquer l'utilité de l'imagerie multi-modale pour distinguer des maladies uvéitiques courantes

MODERATORS | ANIMATEURS

Netan Choudhry, MD

Wai-Ching Lam, MD

1045 Introduction • *Netan Choudhry*

1050 Fundamentals of modern retinal imaging

1105 ARMD masqueraders

1120 Differentiating CME & DME

1135 Multi-modal imaging in uveitis

1150 Discussion

1215 Adjourn



App Tip: Login throughout the day to receive meeting notifications and reminders.

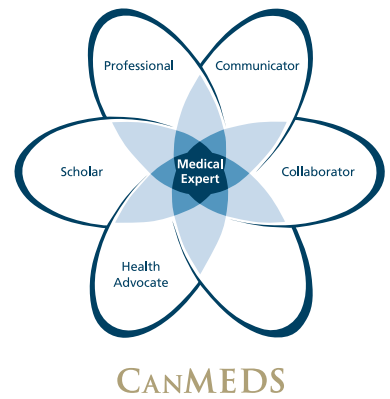
Astuce : Branchez-vous au site durant la journée pour recevoir des avis et des rappels au sujet des événements.

Low Vision Rehabilitation: Doing it right, doing it meaningfully

Réadaptation visuelle de patients à faible vision : Bien le faire et de manière judicieuse

1045 – 1215 • Room | Salle 519AB

VISION REHABILITATION | RÉADAPTATION VISUELLE



LEARNING OBJECTIVES

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

- Discuss the comprehensive nature of low vision rehabilitation
- Demonstrate skills in diagnosis and practice of low vision rehabilitation
- Integrate the principles of low vision rehabilitation into their practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Discuter de la nature complexe de la réadaptation visuelle de patients à faible vision
- Faire preuve de compétence dans le diagnostic et la pratique de la réadaptation visuelle de patients à faible vision
- Intégrer les principes de la réadaptation visuelle de patients à faible vision à leur pratique

MODERATORS | ANIMATEURS

Monica Daibert-Nido, MD
Samuel N. Markowitz, MD
Beatrice Patino, MD

The session will be an interactive workshop with audience participation, and is intended to cover all aspects of modern low vision rehabilitation with real case examples. There will be multiple case presentations with discussion and Q&A time allocation. Each case presentation will be given five minutes with another five minutes allowed for discussion.

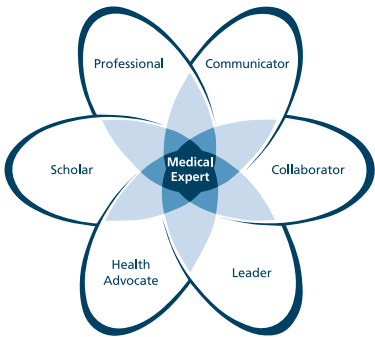
***** At the end of this session we will be showing a video from the AAO that highlights the importance of referral for Vision Rehabilitation.**

Ocular Regenerative Medicine

Médecine oculaire régénérative

1045 – 1215 • Room | Salle 522ABC

CANADIAN OCULAR REGENERATIVE MEDICINE SOCIETY
SOCIÉTÉ CANADIENNE DE MÉDECINE OCULAIRE
RÉGÉNÉRATIVE



CANMEDS

LEARNING OBJECTIVES

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

- Explain how limbal stem cells are expanded ex vivo and transplanted
- Assess the efficacy of cell injection and regenerative therapy in endothelial disease
- Assess the efficacy and state of the art of biosynthesis substitutes in treating corneal disease

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Expliquer l'expansion in vivo et la transplantation des cellules souches limbiques
- Évaluer l'efficacité de l'injection de cellules et de la thérapie régénérative pour traiter la maladie endothéliale
- Évaluer l'efficacité et l'état d'avancement des substituts de la biosynthèse pour traiter les maladies de la cornée

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Jodhbir S. Mehta, Bsc (Hons.), MBBS,
FRCOphth, FRCS (Ed.), FAMS
Graziella Pellegrini, PhD

FACULTY | CORPS PROFESSORAL

Brian Ballios, MD
May Griffith, MD
Jacky Slomovic, BSc

MODERATORS | ANIMATEURS

Isabelle Brunette, MD
Allan Slomovic, MSc, MD

- 1045** Regenerative medicine of the ocular surface: What is missing • *Graziella Pellegrini*
- 1100** Assessing the efficacy of cell injection and tissue engineered endothelial keratoplasty for endothelial disease • *Jodhbir S. Mehta*
- 1110** The first stem cell treatment EU approved • *Graziella Pellegrini*
- 1120** Regenerative therapy in Fuchs corneal dystrophy • *Jodhbir S. Mehta*
- 1130** National ocular stem cell registry • *Brian Ballios, Isabelle Brunette, Jacky Slomovic, Allan Slomovic*

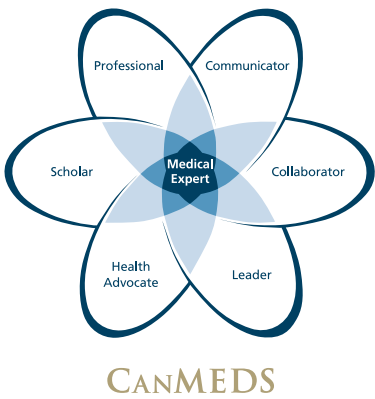
- 1145** Biosynthetic corneal substitutes: Has it become a reality? • *May Griffith*
- 1200** Canadian Ocular Regenerative Medicine Society business meeting
- 1215** Adjourn

What's Up Doc? New research in cataract

Quoi de neuf, docteur? De nouvelles recherches dans le traitement de la cataracte

1330 – 1500 • Room | Salle 517A

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Integrate latest research findings into clinical practice
- Describe tools to assess priority and wait times for cataract surgery
- Assess refractive outcomes in cataract patients

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer les dernières découvertes scientifiques à la pratique clinique
- Décrire les outils permettant d'évaluer la priorité et les temps d'attente pour la chirurgie de la cataracte
- Évaluer la réfraction obtenue chez les patients atteints de cataracte

MODERATORS | ANIMATEURS

Jit Gohill, MD
Devesh Varma, MD

- 1330** Immediately sequential bilateral cataract surgery – 10,000 eyes later • **Steve A. Arshinoff**

1333 Influence of age on clinical outcomes in congenital cataract surgery: A meta-analysis • **Marko Popovic**, Xavier Campos-Möller, Matthew Schlenker, Iqbal (Ike) Ahmed

1336  Intraoperative complication rates in cataract surgery performed by ophthalmology resident trainees compared to staff surgeons in a Canadian academic center • **Stephanie A. Low**, Rosa Bragamele, David Yan, Sherif El-Defrawy

1339 Discussion

1345 Comparative effectiveness and safety of two dosing regimens of Loteprednol Gel 0.5% and Bromfenac 0.07% solution to control inflammation and pain after cataract surgery • **Ahmad Al-Alwadi**, Clara C. Chan, Soheli Soman
- 1348** The dose and administration of intracameral moxifloxacin for prophylaxis of postoperative endophthalmitis in cataract surgery • **Milad Modabber**, Steve A. Arshinoff

1351 The rate of retinal tear and detachment post Nd:YAG capsulotomy • **Jason D. Wesolosky**, Christopher J. Rudinsky, Matthew Tennant

1354 Metformin inhibits epithelial-to-mesenchymal transition in an in vitro model of posterior capsule opacification • **Jade M. Lasiste**, Denise Miyamoto, Pablo Zoroquiain, Patrick Logan, Miguel Burnier

1357 Discussion

1403 Refractive stabilization and corneal curvature post cataract surgery • **Micah Luong**, Ammar Khan, Emi Sanders, Andrew Crichton, Bryce Ford

- 1406** Interocular axial length and corneal power differences as predictors for post-operative refractive outcomes following cataract surgery • **Vinay Kansal**, Matthew Schlenker, Iqbal (Ike) Ahmed
- 1409** Wang-Koch equation for optimization of intraocular lens power calculation: An evaluation at a Canadian centre • **Xavier Campos-Möller**, Marko Popovic, Matthew Schlenker, Iqbal (Ike) Ahmed
- 1412** Does iris color play a role in femtosecond laser (FSL)-induced miosis in patients undergoing cataract surgery? • **Guillermo Rocha**, Tarek Ibrahim, Phillip Goernert
- 1415** Discussion
- 1421** Evaluation of a novel artificial iris • **Saama Sabeti**, Yelin Yang, Mohammed Taha, Reginald Robert G. Tan, Pablo Morales, Kashif Baig
- 1424** Evaluation of a retropupillary iris-claw Artisan IOL in patients with inadequate capsular support • **Mohammed Taha**, Reginald Robert G. Tan, Pablo Morales, Kashif Baig
- 1427** Secondary intraocular lens implantation by a single surgeon at a tertiary hospital: Indications, techniques, outcomes and complications • **Pablo Morales**, Harrish Nithianandan, Reginald Robert G. Tan, Mohammed Taha, Kashif Baig
- 1430** Practice patterns of Canadian Ophthalmological Society members in cataract surgery – 2017 survey • **Lindsay Ong-Tone**
- 1435** Discussion
- 1440** Trends in prevalence of self-reported cataracts in Canada • **Yaping Jin**, Ge Yang, Yvonne M. Buys, Graham Trope
- 1443** Assessing the effect of wait time on threshold change in functional vision after cataract surgery using CATQUEST 9-SF • **Prima Moinul**, Joshua Barbosa, Bryon McKay, Anne Beattie, Nina Ahuja, Mark Fava, Enitan Sogbesan, Khalid Hasane, Varun Chaudhary
- 1446** Priority setting for cataract surgery: Development of an appropriateness and prioritization instrument for eye care practice • **Devesh Varma**
- 1451** Discussion
- 1500** Adjourn

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Voir des histoires qui changent la vie, par des
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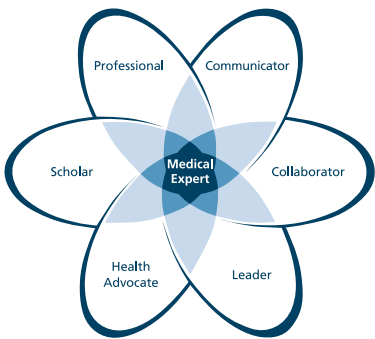
www.voirlespossibilities.ca

Eliminating Avoidable Blindness in Canada and Around the Globe

Éliminer les cas de cécité évitables au Canada et ailleurs

1330 – 1500 • Room | Salle 518AB

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



CANMEDS

LEARNING OBJECTIVES

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

- Describe novel approaches to childhood myopia in rural China
- Outline the magnitude, challenges and possible solutions to the rising tide of diabetic retinopathy in low and middle income countries
- Integrate Canadian research findings into the process of streamlining preoperative histories and physicals in low risk cataract patients

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire de nouvelles approches relatives à la myopie chez les enfants en Chine rurale
- Décrire l'ampleur, les défis et les solutions possibles à la flambée des cas de rétinopathie diabétique dans les pays à faible et moyen revenu
- Intégrer les résultats d'études canadiennes au processus de rationalisation des antécédents et examens médicaux préopératoires chez les patients à faible risque de cataracte

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Nathan Congdon, MD, MPH

MODERATORS | ANIMATEURS

Ralf R. Buhrmann, MD, PhD
Simon P. Holland, MD

1330 Introductory remarks

1332 Can the preoperative history and physical be omitted in low risk cataract patients without increasing risk of postoperative medical complications • **Lorne Bellan**, Archie Benoit, Thomas Mutter, Rose Djukic, Marc Wallace, Gillian Toth, Caroline Dekeyster, Barbara Ginter-Boyce

1339 Discussion

1342 Development of a tele-ophthalmology screening program for marginalized communities in Ontario • **Michael Brent**, Tina Felfeli, Roy Alon

1349 Discussion

1352 Economic review of teleophthalmology as a screening strategy for chronic eye disease • **Aishwarya Sundaram**, Noha Sharafeldin, Atsushi Kawaguchi, Sandra

Campbell, Christopher Rudnisky, Ezekiel Weis, Matthew Tennant, Karim F. Damji

1359 Discussion

1401 Novel approaches to childhood myopia in rural China • **Nathan Congdon**

1421 Discussion

1426 Cataract barriers and outcome in Narayani zone, Nepal: A rapid assessment of avoidable blindness (RAAB) study • **Vivian T. Yin**, Ram Prasad Kandel, Ken Bassett

1433 Discussion

1435 The rising tide of diabetic retinopathy in low and middle income countries – Challenges, solutions and unanswered questions • **Nathan Congdon**

1455 Discussion

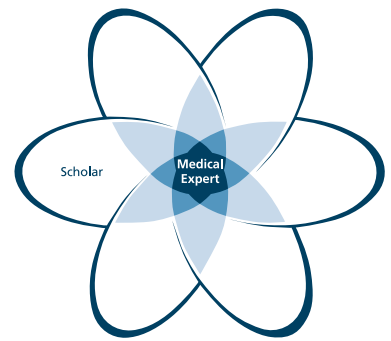
1500 Adjourn

Exploring the Frontiers of Component Surgery of the Cornea

Explorer les limites de la chirurgie des composants de la cornée

1330 – 1500 • Room | Salle 519AB

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



CANMEDS

LEARNING OBJECTIVES

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

- Integrate developments in DMEK surgery
- Describe techniques for DALK surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer les nouveautés à la chirurgie DMEK
- Décrire les techniques de la chirurgie DALK

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed)

PANELISTS | PANÉLISTES

Mazen Choulakian, MD
Marie-Claude Robert, MD

MODERATOR | ANIMATRICE

Rookaya Mather, MD

1330 Introduction

1332 DMEK surgery: A simple way to forego
peripheral iridotomy • **Julia Talajic**, Mathieu
Mercier, Michèle Mabon, Isabelle Brunette,
Johanna Choremis

1337 Descemetorhexis alone or with
Ripasadil salvage for Fuchs' endothelial
dystrophy • **Greg Moloney**, C Petsoglou,
M Ball, Y Kerdraon, R Hollhumer, N Spiteri,
Simon P. Holland

1342 Aberrations induced by Descemet
membrane endothelial keratoplasty
(DMEK) • **Mohammed Taha**, Reginald
Robert G. Tan, Pablo Morales, Kashif Baig

1347 Discussion

1352 Comparison of punching techniques
for preparation of endothelial grafts
for Descemet membrane endothelial
keratoplasty • **Reginald Robert G.
Tan**, Mohammed Taha, Pablo Morales,
Esteban Santiago, Nima Noordeh, Yelin
Yang, Kashif Baig

1357 Preliminary outcome of hemi-Descemet
membrane endothelial keratoplasty

(DMEK) and quarter-DMEK for Fuchs
endothelial dystrophy • **C Maya Tong**,
Nadine Gerber-Hollbach, Lamis Baydoun,
Thomas M. Muller, Jessica T. Lie, Isabel
Dapena, Gerrit R. J. Melles

1402 Outcomes at one-year follow up of
hemi-Descemet membrane endothelial
keratoplasty • **Javiera Compan**, Yelin
Yang, Pablo Morales, Esteban Santiago,
Kashif Baig

1407 Discussion

1412 DALK: Latest developments • Jodhbir S. Mehta

1422 DALK: My technique • Julia Talajic

1432 Discussion

1437 DMEK: Transitioning from DSAEK •
Jodhbir S. Mehta

1447 DMEK: My technique • Kashif Baig

1457 Discussion

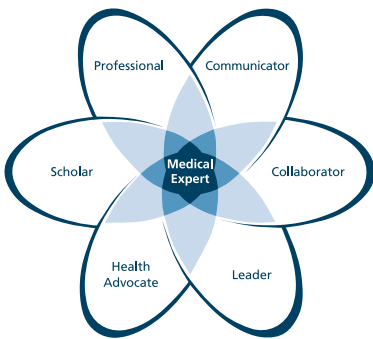
1500 Closing remarks

Symposium: The top five in uveitis

Symposium sur l'uvéite: Le top cinq du traitement de l'uvéite

1330 – 1500 • Room | Salle 522ABC

CANADIAN UVEITIS SOCIETY | SOCIÉTÉ CANADIENNE DE L'UVÉITE



CANMEDS

LEARNING OBJECTIVES

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

- Diagnose and treat non-infectious and infectious uveitis
- Establish a correct diagnosis of uveitis
- Explain the differential diagnosis of uveitis

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Diagnostiquer et traiter l'uvéite non infectieuse et infectieuse
- Établir un diagnostic correct de l'uvéite
- Expliquer le diagnostic différentiel de l'uvéite

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Jyotirmay Biswas, MS, FMRF, FNAMS, FIC Path., FAICO

MODERATORS | ANIMATEURS

Marie-Josée Aubin, MD, MPH
Jean Deschênes, MD

FACULTY | CORPS PROFESSORAL

Chloe Gottlieb, MD
Karin Oliver, MD
Mili Roy, MD

- 1330** Introduction • *Jean Deschênes*
- 1335** Top 5 most missed diagnoses in uveitis • *Marie-Josée Aubin*
- 1343** Discussion
- 1345** Top 5 things to know about recurrent anterior uveitis • *Karin Oliver*
- 1356** Discussion
- 1400** Top 5 things to know about TB in uveitis • *Jyotirmay Biswas*
- 1411** Discussion

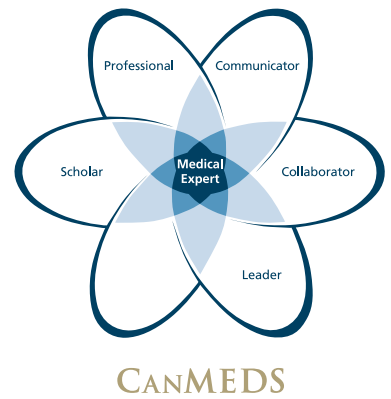
- 1415** Top 5 infectious diseases to recognize in uveitis • *Jean Deschênes*
- 1426** Discussion
- 1430** Top 5 signs pointing to a viral anterior uveitis • *Chloe Gottlieb*
- 1441** Discussion
- 1445** Top 5 systemic meds in uveitis • *Mili Roy*
- 1456** Discussion
- 1500** Adjourn

Keep Calm: Challenging cataract surgeries

Restez calme : Chirurgies complexes de la cataracte

1545 – 1715 • Room | Salle 517A

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE



LEARNING OBJECTIVES

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

- Evaluate difficulties that certain glaucomas present during cataract surgeries
- Compare various techniques to manage a challenging cataract surgery
- Integrate various surgical maneuvers for the difficult cataract surgery

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les difficultés que présentent certains glaucomes lors de chirurgies de la cataracte
- Comparez différentes techniques pour gérer une chirurgie de la cataracte difficile
- Intégrer diverses manœuvres chirurgicales pour des cas difficiles de chirurgie de la cataracte

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Arsham Sheybani, MD

MODERATORS | ANIMATEURS

Jit Gohill, MD
Devesh Varma, MD

FACULTY | CORPS PROFESSORAL

Kashif Baig, MD
George Beiko, MD
Toby Chan, MD
Dominik Podbielski, MD
Harman Singh, MD
Joshua Teichman, MD
Jacky Yeung, MD

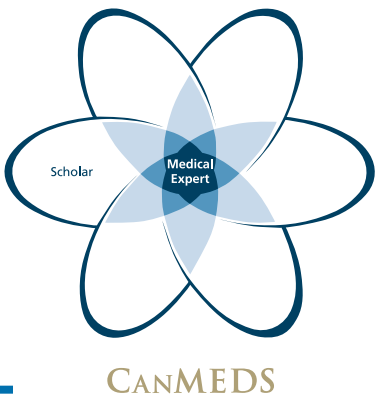
You know when surgery is not going your way? Compare, learn and integrate a variety of techniques to make your surgery manageable. Eight surgeons present their challenging cases.

Quand l'intervention ne se passe pas comme prévu... Comparez, découvrez et intégrez diverses techniques qui vous aideront à gérer votre intervention. Huit chirurgiens présentent leurs cas difficiles.

Making the Ocular Surface Great Again
Redonner sa grandeur à la
surface oculaire

1545 – 1715 • Room | Salle 519AB

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 new trends in managing dry eye disease
- Assess imaging and technologies used for the ocular surface

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Décrire les nouvelles tendances dans le traitement de la sécheresse oculaire
- Évaluer l'imagerie et les technologies utilisées dans le traitement de la surface oculaire

GUEST SPEAKERS | CONFÉRENCIERS INVITÉS

Damien Gatinel, MD
Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed)

MODERATOR | ANIMATEUR

Stephen Brodovsky, MD

PANELISTS | PANÉLISTES

Ashley Brissette, MD
Kamiar Mireskandari, MD

1545 Introduction

1546 What am I missing? The case I lost sleep
over! • *W. Bruce Jackson*

1552 Discussion

1555 HER2 as a possible therapeutic target
in squamous cell carcinoma of the
conjunctiva • *Evangelina Esposito, Pablo
Zoroquiain, Ana B. Toledo Dias, Miguel
Burnier*

1600 The corneal endothelium in pediatric
posterior polymorphous corneal
dystrophy: A specular microscopic study
• *Hamza Sami, Ali El Hamouly, Simon
S. M. Fung, Dishay Jiandani, Kamiar
Mireskandari, Asim Ali*

1605 Nitric oxide, administered using copper-
chitosan derivatives, accelerates corneal
epithelial wound healing • *Vasiliki Tellios,
Hong Liu, Nikoleta Tellios, Kathleen
Fontana, Bulent Mutus, Cindy Hutnik*

1610 Discussion

1613 Ikervis, Restasis, and Xiidra: What you
need to know • *Setareh Ziai*

1622 Overview of devices to treat meibomian
gland dysfunction • *Ahmed Al-Ghoul*

1631 Discussion

1636 Effect of the epithelial layer on corneal
topography • *Damien Gatinel*

1645 Femto-ptyerygium surgery • *Jodhbir S.
Mehta*

1654 Discussion

1658 Agreement and reliability of aberrometry
measurements in normal eyes using
iDesign, iTrace and Pentacam • *Pablo
Morales, Antoine Goulet, Reginald Robert
G. Tan, Mohammed Taha, Kashif Baig*

1703 Financial burden of dry eye disease and
impact on patient adherence: A case study
of Restasis following conclusion of Health
Canada's Special Access Program • *Rami
A. Abo-Shasha*

1708 Overview of clinical efficacy and safety
of lifitegrast ophthalmic solution 5.0% for
treatment of dry eye disease • *Mahshad
Darvish-Zargar, Edward J. Holland,
Clara C. Chan, Kelly K. Nichols, Joseph
Tauber, Christophe Baudouin, Aparna
Raychaudhuri, Monica Roy, Amir Shojaei*

1713 Discussion

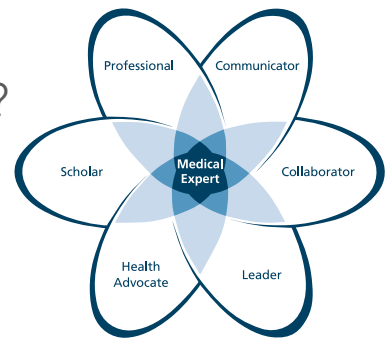
1715 Closing Remarks

What's New in Uveitis

Uvéite : Quoi de neuf dans le domaine?

1545 – 1715 • Room | Salle 522ABC

CANADIAN UVEITIS SOCIETY | SOCIÉTÉ CANADIENNE DE L'UVÉITE



CANMEDS

LEARNING OBJECTIVES

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

- Explain how to correctly refer uveitis patients
- Describe the pathophysiology of uveitis
- Assess patients on immunosuppressive medications for uveitis

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Expliquer comment diriger au bon endroit les patients atteints d'uvéite
- Décrire la physiopathologie de l'uvéite
- Évaluer les patients atteints d'uvéite qui prennent des immunosuppresseurs

GUEST SPEAKER | CONFÉRENCIER INVITÉ

Jyotirmay Biswas, MS, FMRF, FNAMS, FIC Path., FAICO

MODERATORS | ANIMATEURS

Jean Deschênes, MD
Karin Oliver, MD

1545 Opening remarks • Karin Oliver

1550 Guidelines for immunizing adult patients with chronic or recurrent noninfectious uveitis • **Jordan Isenberg**, Annie Linh Thao Ho, Annie Claude Labbé, Éric Fortin

1557 Discussion

1559 The cascade of care in uveitis: An analysis of the referral characteristics and wait times for consultation in tertiary care centers in Toronto • **Panos Christakis**, **Tina Felfeli**, Nupura Bakshi, Efrem Mandelcorn, Radha Kohly, Larissa Derzko-Dzulynsky

1606 Discussion

1608 An interactive uveitis quiz: Kaun Banega Uveapati? (Who will be the millionaire of uveitis?) • Jyotirmay Biswas

1623 Discussion

1628 Intraocular lymphoma: New technology for the histopathological diagnosis • Miguel Burnier

1643 Discussion

1648 The corneal endothelium in paediatric patients with uveitis – A longitudinal study • **Simon S. M. Fung**, Ali El Hamouly, Hamza Sami, Dishay Jiandani, Sara Williams, Nasrin N. Tehrani, Kamiar Mireskandari, Asim Ali

1655 Discussion

1657 Laboratory analysis results and predictive characteristics of infectious panuveitis sampling in the Pacific Northwest • **Kaivon Pakzad-Vaezi**, Macklin Nguyen, Andrew Bryan, Kathryn Pepple

1704 Discussion

1706 Clinical challenges in diagnosis and management of diffuse unilateral subacute neuroretinitis • **Larissa Derzko-Dzulynsky**, **Tina Felfeli**, Nilesh Persad, Alan Berger

1713 Discussion

1715 Adjourn

SURGICAL SKILLS TRANSFER COURSES
COURS DE TRANSFERT DE COMPÉTENCES



SURGICAL SKILLS TRANSFER COURSES

COURS DE TRANSFERT DE COMPÉTENCES

COS Surgical Skills Transfer Courses (STCs) are physician-developed and physician-led hands-on wet-labs or interactive workshops that offer instruction, demonstration, discussion and simulation of surgical, diagnostic and management techniques. Topics can include any ophthalmic surgical technique. COS has developed the STCs with the overall goal of providing intensive instruction leading to new knowledge and/or skills.

Delivered as part of the COS Annual Meeting, Skills Transfer Courses are planned and facilitated independently by the STC Chair, AMPC Session Chair and STC Course Directors, according to Royal College of Physicians and Surgeons of Canada's (RCPSC) accreditation guidelines. STCs are accredited for Section 3 – Simulation credits of the MOC Program as designated by the RCPSC.

COS first introduced surgical STCs during the 2010 Annual Meeting and was the recipient of the 2014 Royal College Accredited CPD Provider Innovation Awards in recognition of its Surgical Skills Transfer Courses. These awards recognize innovative educational and administrative policies, processes, resources and tools implemented by an Accredited CPD Provider.

Les cours de transfert de compétences (CTC) chirurgicales de la SCO sont mis au point et donnés par des médecins. Il peut s'agir d'aqualabos pratiques ou d'ateliers interactifs qui prennent la forme d'un cours, d'une démonstration, d'une discussion ou d'une simulation concernant des techniques chirurgicales, diagnostiques ou de prise en charge. Les sujets peuvent inclure toute technique chirurgicale ophtalmique. La SCO a développé les CTC avec l'objectif général de fournir un enseignement intensif menant à de nouvelles connaissances et compétences.

Offerts dans le cadre du congrès annuel de la SCO, les CTC sont planifiés et animés indépendamment par le président des CTC, le président du comité du programme du congrès et les directeurs des CTC, conformément aux directives du Collège royal des médecins et chirurgiens du Canada (CRMCC) concernant l'agrément. Les CTC sont accrédités au titre de la section 3 – crédits relatifs au programme de simulation du programme de MDC désigné par le CRMCC.

La SCO a présenté pour la première fois les CTC chirurgicales au congrès annuel de 2010, et, en 2014, elle a reçu le Prix de l'innovation des prestataires agréés de DPC du Collège royal en reconnaissance de ces cours. Ces prix reconnaissent les politiques, les processus, les ressources et les outils pédagogiques et administratifs innovants mis en œuvre par un fournisseur agréé de DPC.



Strabismus surgery review and newer techniques

Revue des techniques de chirurgie du strabisme et techniques récentes

Friday, June 16 | Vendredi 16 juin
1045 – 1215 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- More proficiently conduct strabismus surgery and suturing of extraocular muscles
- Apply newer 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 des techniques récentes de chirurgie du strabisme pour améliorer les résultats chirurgicaux et réduire les complications

COURSE DIRECTOR | DIRECTRICE DU COURS

Yi Ning Strube, MD, MS

FACULTY | CORPS PROFESSORAL

Ian Clark, MA MB BChir FRCSEd (Ophth)
Annick Fournier, MD
Christine Law, MD
Andrea Leung, MD
Michael O'Connor, MD

This hands-on lab will transfer the surgical skills required for the use of both standard and newer strabismus techniques. Attendees will actually perform the procedures. In addition to reviewing basic strabismus techniques, newer 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 using rabbit heads and operating microscopes. This course is open to both ophthalmology residents and practising ophthalmologists.

Ce laboratoire pratique permettra le transfert de compétences pour des techniques chirurgicales standard et plus récentes du strabisme. Les participants mettront les interventions en pratique. Ils reverront d'une part les techniques standards de chirurgie du strabisme ainsi que certaines techniques récentes, 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 aqualabo pratique avec têtes de lapin et microscopes chirurgicaux. Ce cours est offert aux résidents en ophtalmologie et aux ophtalmologistes en exercice.

MicroInvasive Glaucoma Surgery (MIGS)

Techniques de chirurgie du glaucome appelée MIGS (Chirurgie micro-invasive du glaucome)

Friday, June 16 | Vendredi 16 juin
1330 – 1500 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- Describe the indications and techniques for these MIGS procedures: the XEN gel implant, gonioscopy-assisted transluminal trabeculotomy (GATT), and Kahook dual blade
- 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 les indications et les techniques de ces procédures MIGS : implants XEN en gélatine, trabulectomie translinéale assistée par gonioscopie (GATT) et utilisation de la double lame Kahook
- Comparer les avantages et les inconvénients de ces techniques et différencier les populations de patients optimaux pour ces divers appareils
- Intégrer leur apprentissage par simulation des appareils MIGS à leurs programmes de résidence ou de formation

COURSE DIRECTORS | DIRECTEURS DU COURS

Toby Chan, MD
David Marshall, MD

Garfield Miller, MD
Marcelo Nicolela, MD
Paul Rafuse, MD
Kenneth Roberts, MD
Hady Saheb, MD
Steven Schendel, MD
Matthew Schlenker, MD
Harmanjit Singh, MD
Jamie Taylor, MD
Jing Wang, MD
David Yan, MD
Darana Yuen, MD
Barend Zack, MD

FACULTY | CORPS PROFESSORAL

Younes Agoumi, MD
Catherine Birt, MD
Ralf R. Buhrmann, MD
Xavier Campos-Möller, MD
Patrick Gooi, MD
Paul Harasymowycz, MD

This session will include a didactic and wetlab educational session highlighting three current and emerging options of MicroInvasive Glaucoma Surgery (MIGS) that are available in Canada. At the end of the session, participants will have acquired hands-on experience on these MIGS procedures: the XEN gel implant, Gonioscopy-assisted transluminal trabeculotomy (GATT), and Kahook dual blade. They will be able to describe the indications, compare the advantages/disadvantages, and identify the optimal patient population for these various 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 qui souligne trois nouvelles options de chirurgie micro-invasive du glaucome (MIGS) offertes au Canada. À la fin de ce cours, les participants auront une expérience pratique des interventions MIGS : implants XEN en gélatine, trabulectomie translinéale assistée par gonioscopie (GATT) et utilisation de la double lame Kahook. Ils pourront également décrire les indications, comparer les avantages et les inconvénients de ces techniques et identifier les populations de patients optimaux pour ces divers appareils. De plus, les participants pourront intégrer leur apprentissage par simulation des appareils MIGS à leurs programmes de résidence ou de formation.

Cornea – Fundamentals of simple limbal epithelial transplantation (SLET)

Cornée – Fondements de la transplantation épithéliale limbique simple (SLET)

Friday, June 16 | Vendredi 16 juin
1545 – 1715 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- Understand the patient selection process for SLET and differentiate good and poor candidates for SLET
- Demonstrate the ability to preform SLET
- Assess the postoperative course and complications of SLET and describe complication management

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Comprendre le processus de sélection des patients pour la SLET et différencier les candidats adéquats de ceux qui ne le sont pas
- Démontrer leur capacité à réaliser une SLET
- Évaluer l'évolution et les complications postopératoires et décrire la gestion des complications

COURSE DIRECTOR | DIRECTEUR DU COURS

Joshua Teichman, MD

FACULTY | CORPS PROFESSORAL

Kashif Baig, MD
Jamie Bhamra, MD
Mona Harissi-Dagher, MD
Jodhbir S. Mehta, BSc (Hons.), MBBS,
FRCOphth, FRSC (Ed)
Louis Racine, MD
Marie-Claude Robert, MD
Allan Slomovic, MD
Setareh Ziai, MD

The session will be a combined 1.5 hours of initial didactic lecture followed by wet lab. Participants will gain knowledge in the preoperative assessment of potential patients for SLET and features of good and poor candidates. Participants will learn the surgical steps of SLET, including pearls for the more challenging portions of the procedure. By the end of the session, participants will gain knowledge of the expected postoperative course of patients, possible complications, and their management.

La séance d'une heure trente combinera un cours théorique au début suivi d'un aqualabo. Les participants acquerront des connaissances relatives à l'évaluation préopératoire des patients susceptibles de subir une SLET et aux caractéristiques des candidats adéquats ou non adéquats. Les participants apprendront les étapes chirurgicales de la SLET, y compris les perles pour les parties les plus difficiles de l'intervention. À la fin de la séance, les participants acquerront des connaissances sur l'évolution postopératoire attendue des patients, les complications possibles et leur gestion.

Retina – Scleral fixated intraocular lens implants

Rétine – Implant intraoculaire de lentille à fixation sclérale

Saturday, June 17 | Samedi 17 juin
1045 – 1215 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- Recognize indications for scleral fixated intraocular lens in eyes with absence of capsular support
- Describe surgical steps of sutureless scleral fixation of a 3-piece intraocular lens implant
- Explain the surgical steps of fixing intraocular lens implants (including AKREOS) with Gore-Tex sutures

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Reconnaître les indications relatives à la lentille intraoculaire à fixation sclérale dans les yeux en l'absence de soutien capsulaire
- Décrire les étapes chirurgicales de la fixation sclérale sans suture d'un implant intraoculaire composé de 3 morceaux
- Expliquer les étapes chirurgicales de la fixation d'un implant intraoculaire (y compris AKREOS) avec suture Gore-Tex

COURSE DIRECTORS | DIRECTEURS DU COURS

Karim Hammamji, MD
Nigel Rawlings, MD
Deepa Yoganathan, MD

FACULTY | CORPS PROFESSORAL

Ghassan Cordahi, MD
Ali Dirani, MD
Renaud Duval, MD
Mark Greve, MD
Matthew Tennant, MD

This practical hands-on session will deliver one-on-one instruction of sutured and sutureless scleral fixated intraocular lens implant techniques. A combination of teaching with video, pig and human eye specimens will be used to outline the surgical steps of these methods. Each participant will have a microscope and can approach this practice at their own pace.

Cette séance pratique consiste en une formation individuelle sur les techniques d'implantation intraoculaire de lentille à fixation sclérale avec et sans suture. Une combinaison de vidéo, de spécimen d'yeux de porc et d'humain sera utilisée pour décrire les étapes chirurgicales de ces méthodes. Chaque participant aura un microscope et pourra aborder cette pratique à son propre rythme.

Anterior vitrectomy for the cataract surgeon

Vitrectomie antérieure pour les chirurgiens de la cataracte

Saturday, June 17 | Samedi 17 juin
1330 – 1500 & 1545 – 1715 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- Explain the principles of bimanual anterior vitrectomy
- Describe pars plana anterior vitrectomy
- Recognize vitreous dynamics during anterior vitrectomy

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Expliquer les principes de la vitrectomie antérieure bimanuelle
- Décrire la vitrectomie antérieure de la pars plana
- Reconnaître les dynamiques vitreuses qui ont lieu pendant la vitrectomie antérieure

COURSE DIRECTORS | DIRECTEURS DU COURS FACULTY | CORPS PROFESSORAL

Netan Choudhry, MD
Patrick Gooi, MD

Ahmed Al-Ghoul, MD
Jamie Bhamra, MD
Michael Butler, MD
Xavier Campos-Möller, MD
Toby Chan, MD
Garfield Miller, MD
Kenneth Roberts, MD

This is a hands-on wet-lab session where participants will have the opportunity to learn and practice the art of bimanual anterior vitrectomy. Faculty will include both experienced cataract and vitreoretinal surgeons.

NOTE: A limited number of three different models of phaco machines will be available for use during the Cataract STC. Choice of phaco machine will be on a first-come, first-served basis. Please arrive early and present yourself at the STC registration desk outside Room 524AB if you would prefer to practice on a specific machine. Otherwise, all participants will be assigned a phaco machine at the organizers' discretion.

Ce cours s'agit d'une séance pratique en aqualabo où les participants auront l'occasion d'apprendre et de pratiquer l'art de la vitrectomie antérieure bimanuelle. Le cours sera donné par des spécialistes expérimentés de la chirurgie de la cataracte et de la chirurgie vitréo-rétinienne.

NOTE : Un nombre limité de trois modèles de phacoémulsificateurs seront mis à la disposition des participants au cours de transfert de compétences (CTC) sur la cataracte. Le choix d'appareil se fera selon la règle du premier arrivé, premier servi. Veuillez arriver tôt et vous présenter au comptoir d'inscription des CTC à l'extérieur de la salle 524AB si vous souhaitez utiliser un appareil en particulier. Sinon, l'attribution des appareils aux participants se fera à la discrétion des organisateurs.

Oculoplastics – Botulinum: Smooth moves

Oculoplastie – Toxine botulique, en douceur

Sunday, June 18 | Dimanche 18 juin
1045 – 1215 • Room | Salle 524AB

SURGICAL SKILLS TRANSFER COURSE | COURS DE TRANSFERT DE COMPÉTENCES

LEARNING OBJECTIVES

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

- Assess the functional and cosmetic indications for treatment with botulinum toxin and describe the related muscular anatomy
- Choose the appropriate botulinum toxin and describe proper dilution and preparation methods
- Apply the injection techniques learned during the course on patients in their practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Évaluer les indications fonctionnelles et cosmétiques du traitement par toxine botulique et décrire l'anatomie musculaire associée
- Choisir la toxine botulique appropriée et décrire les méthodes de dilution et de préparation adéquates
- Appliquer les techniques d'injection apprises pendant le cours aux patients dans leur pratique

COURSE DIRECTOR | DIRECTEUR DU COURS

Patrick Boulos, MD

Isabelle Hardy, MD, FRCSC
Conrad Kavalec, MD, FRCSC
Yasser Khan, MD, FRCSC
Lucie Khouri, MD, FRCSC
Pierre Lepage-Létourneau, MD, FRCSC
Babak Maleki, MD, FRCSC
Navdeep Nijhawan MD, FRCSC
Quynh Nguyen, MD, FRCSC
Jamie Wong, MD, FRCSC

FACULTY | CORPS PROFESSORAL

Chantal Arès, MD, FRCSC
Bryan Arthurs, MD, FRCSC
Mounir Bashour, MD, FRCSC
Dan Boghen, MD, FRCSC
Paul Denton, MD, FRCSC
Marcele Falcao, MD, PhD

This course is designed for comprehensive ophthalmologists and residents who are interested in learning and reviewing functional and cosmetic injections of botulinum toxins. Attendees will learn how to choose the appropriate toxin (Botox, Dysport or Xeomin) for a variety of cases and patients. The preparation and dilution methods for each toxin will be reviewed and participants will practice various functional and cosmetic injection techniques under the direct supervision of an instructor (experienced botulinum toxin injector).

Ce cours est destiné à l'ophtalmologiste généraliste et aux résidents qui sont intéressés à apprendre et à examiner les injections fonctionnelles et esthétiques de toxines botuliques. Les participants apprendront à choisir la toxine appropriée (botox, dysport ou xeomin) pour une variété de cas et de patients. Les méthodes de préparation et de dilution de chaque toxine seront examinées et les participants pratiqueront diverses techniques d'injection fonctionnelle et esthétique sous la supervision directe d'un formateur (injecteur de toxine botulique expérimenté).

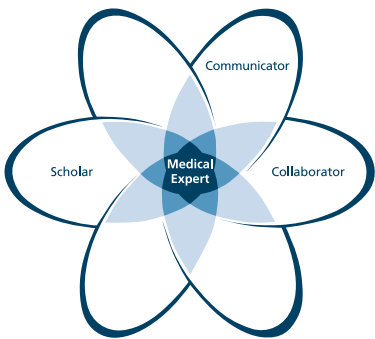
ALLIED HEALTH SESSIONS
SÉANCES DES SOCIÉTÉS CONNEXES DE LA SANTÉ



TCOS Workshop | Atelier LSCO

Thursday, June 15 | Jeudi 15 juin
1300 – 1700 • Room | Salle 524C

THE CANADIAN ORTHOPTIC SOCIETY | LA SOCIÉTÉ
CANADIENNE D'ORTHOPTIQUE



CANMEDS

LEARNING OBJECTIVES

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

- Review the clinical, anatomical, and physiological evidence supporting and refuting the two sides of the debate on anomalous retinal correspondence
- Compare old versus new thinking on types of vergence and how they interact under normal viewing conditions. Also the role of vergence in explaining responses to common sensorimotor clinical tests
- Identify risk factors for strabismus and strategies to use when managing these cases
- Discuss the role of thyroid function in thyroid eye disease (TED) and determine the differential diagnoses. They will be able to determine the medical, surgical and ophthalmic care for patients with TED.

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Revoir les preuves cliniques, anatomiques et physiologiques des pour et des contre dans le débat sur la correspondance rétinienne anormale
- Comparer les nouvelles et les anciennes façons de penser par rapport aux types de vergence et leurs interactions dans des conditions de vision normales. Rôle de la vergence pour expliquer les réactions aux tests cliniques sensorimoteurs communs
- Identifier les facteurs de risque de strabisme et les stratégies à utiliser dans la prise en charge de ces cas
- Examiner le rôle de la fonction thyroïdienne dans la maladie de Graves et déterminer les diagnostics différentiels. Déterminer les soins médicaux, chirurgicaux et ophtalmiques pour les patients atteints de la maladie de Graves

FACULTY | CORPS PROFESSORAL

Kyle Arnoldi, CO
Meggie Caldwell, OC(C)
Raymond Ko, MD
Kamiar Mireskandari, MD
Jocelyn Zurevinsky, OC(C)

- 1300** Welcome and opening remarks • *Meggie Caldwell*
- 1305** The good, the bad and the ugly: A 100-year debate on binocular correspondence • *Kyle Arnoldi*
- 1350** Discussion
- 1400** Who caused my strabismus? • *Kamiar Mireskandari*
- 1445** Discussion

- 1455** Break
- 1510** The vergence system: Where sensory meets moto • *Kyle Arnoldi*
- 1555** Discussion
- 1605** Thyroid eye disease • *Jocelyn Zurevinsky and Raymond Ko*
- 1650** Discussion
- 1700** Adjourn

I Care about Eye Care

Les yeux, je les ai à l'œil

Friday, June 16 | Vendredi 16 juin
0730 – 1615 • Room | Salle 524C

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

LEARNING OBJECTIVES

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

- Integrate new knowledge and techniques into their practice and work environment
- Apply acquired information to enhance best practice and optimum patient care and communication
- Compare information through networking with colleagues to understand and differentiate national ophthalmology standards of practice

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Intégrer de nouvelles connaissances et techniques à leur pratique et à leur milieu de travail
- Appliquer les informations acquises pour améliorer les pratiques, le soin des patients et la communication avec les patients
- Comparez les renseignements par le réseautage avec des collègues pour comprendre et différencier les normes nationales de l'exercice de l'ophtalmologie

KEYNOTE SPEAKER | CONFÉRENCIER INVITÉ

Pierre Marsolais, MD, FRCPC

MODERATORS | ANIMATRICES

Carole Desharnais, RN, BScN, MSc
Barbara Kerr, RN

FACULTY | CORPS PROFESSORAL

Pierre Allard, pht, MBA, MDT
Chantal Arès, MD
Hana Boxerman, MSc, CLVT
Kathy Bruce, RN, BHScN, CPN(c) – *Past-President*
Marie-France Clermont, BCO
Mahshad Darvish-Zargar, MDCM, MBA
Ali Hafez, MD
Donna Punch, RN – *President*
Pascale Rinfret, RN, BScN, MScN

0730	Registration	1115	Annual business meeting, election of new executive members • Donna Punch & Kathy Bruce
0800	Welcome remarks • Carole Desharnais	1215	Lunch and networking in the exhibit hall
0805	Making something out of nothing: How I got my dream job • Barbara Kerr	1330	The positive effects of raising health professionals' awareness of the cause of organ and tissue donation • Pierre Marsolais
0830	Telephone ocular triage: Roles, tools and rules • Ali Hafez	1330	The evolution of corneal transplantation • Mahshad Darvish-Zargar
0900	Lid lesions: Should we worry? • Chantal Arès	1500	Stretch break
0930	The reality of physiological and psychological changes in the anophthalmic patient • Marie-France Clermont	1515	I see you have a back problem! • Pierre Allard
1000	Break	1545	Town hall • Pascale Rinfret
1045	Eccentric viewing training: Finding the sweet spot • Hana Boxerman	1615	Closing remarks • Carole Desharnais

Annual Education Day

Journée annuelle d'éducation

Saturday, June 17 | Samedi 17 juin
0800 – 1730 • Room | Salle 524C

CANADIAN SOCIETY OF OPHTHALMIC MEDICAL PERSONNEL | SOCIÉTÉ
CANADIENNE DU PERSONNEL MÉDICALE EN OPHTALMOLOGIE

FACULTY | CORPS PROFESSORAL

Ashley Alexander, COMT, ROUB, CDOS
Carla Blackburn, BSc, COMT, CDOS, ROUB
James Farmer, MD
Davin E. Johnson , MD
Amin Kherani, MD
Claire Ouellette, OCC, COA, AdmA, MBA,
CMC

Craig Simms, BSc, COMT, CDOS, ROUB
Sarah M. Simpson, MD
Timothy Ratzlaff, MD
Warren Whitford, COMT

- 0730 Registration and breakfast**

0800 Evolution of corneal endothelial transplantation • *Davin E. Johnson*

0900 Ocular trauma and management • *Amin Kherani*

1000 Break

1030 Pathology and the ophthalmic technologist • *James Farmer*

1130 A rare cause of monocular decline • *Tim Ratzlaff*

1200 ILM Flap: A novel technique for macular hole repair • *Sarah M. Simpson*

1230 Lunch
- 1330** Ultrasounds special examination techniques and standardized A-scan • *Carla Blackburn*

1430 The technician's role of rehabilitation of reading for the low vision patient • *Ashley Alexander*

1500 Break

1530 Ocular motility: My best tests • *Claire Ouellette*

1600 Cataract measurements from a technician's prospective • *Warren Whitford*

1645 Color vision testing • *Craig Simms*

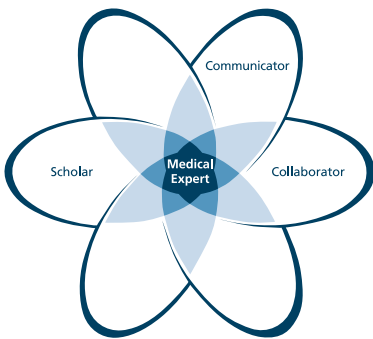
1730 Adjourn

7.5 A JCAHPO continuing education credits have been approved for this meeting. Continuing education credits earned will be posted to your account at www.jcahpo.org approximately 4-6 weeks after the program for participants who complete evaluation forms.

TCOS Scientific Session | Séance
scientifique de LSCO

Sunday, June 18 | Dimanche 18 juin
0800 – 1700 • Room | Salle 524C

THE CANADIAN ORTHOPTIC SOCIETY | LA SOCIÉTÉ
CANADIENNE D'ORTHOPTIQUE



LEARNING OBJECTIVES

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

- Discuss Grave's disease, appropriate management and atypical findings of patients with this disease
- Understand the uses and limitations of clinical electrophysiology, the role in the diagnosis of Congenital Stationary Night Blindness and be able to determine how to counsel patients on the use of VEP, ERG, mfERG and EOG
- Determine the aetiology of strabismus, with mechanical and paralytic differential diagnoses by using history, physical findings and neuroimaging
- Understand the interesting opportunities provided by the International Orthoptic Association as well as The Canadian Orthoptic Society

OBJECTIFS D'APPRENTISSAGE

À la fin de la session, les participants pourront :

- Discuter de la maladie de Graves, de sa prise en charge appropriée et des résultats atypiques des patients atteints de cette maladie
- Décrire les utilisations et les limites de l'électrophysiologie clinique et son rôle dans le diagnostic de la cécité nocturne stationnaire congénitale, et conseiller les patients quant à l'utilisation du PEV, de l'ERG, de l'ERG multifocal et de l'EOG
- Déterminer l'étiologie du strabisme, avec diagnostics différentiels mécaniques et paralytique en se basant sur l'historique, les résultats physiques et la neuroimagerie
- Reconnaître les possibilités intéressantes offertes par l'Association internationale d'orthoptique et la Société canadienne d'orthoptique

FACULTY | CORPS PROFESSORAL

Kyle Arnoldi, OC(C)
Claire Blais OC(C)
Meggie Caldwell, MSc., OC(C)
May Chidiac, OC(C)
Catherine Day, OC(C)
Heather Fennel-Al Sayed OC(C)
Michael Flanders, MD
Grace Harradine
Ronna Hjertaas

Stephen Kraft, MD
Jennifer Lambert, CO
Daniella Lombardi
Ian MacDonald, MD
Wanda Pfiefer, OC(C)
Luis Ospina, MD
Shamim Sabzevari, OC(C)
Paul Shuckett, MD

0800 TCOS honorary president opening remarks • *Paul Shuckett*

0805 **The John Pratt Johnson Lecture** —
How much do we really know about
nystagmus? • *Luis Ospina*

0855 Random reversing hypotropia in Graves'
disease • *Catherine Day*

0910 Misadventures and pseudo-palsies
• *Michael Flanders, Claire Blais, Shamim
Sabzevari*

0925 Clinical visual electrophysiology • *Ian
MacDonald*

0940 Q & A

1000 Break

1045 Panel discussion on interesting strabismus cases • *Stephen Kraft, Luis Ospina, Ian MacDonald, Kyle Arnoldi, May Chidiac*

1215 Lunch

1330 Orthoptic graduate presentations • *Ian Clark*

1400 Lunn Lecture — The Canadian Orthoptic Society: Past, present and future • *Ronna Hjertaas*

1430 Mechanical versus paralytic strabismus: A review of aetiology and methods for differential diagnosis • *Grace Harradine*

1445 Electrophysiology and its role in the diagnosis of congenital stationary night blindness • *Wanda Pfeifer*

1500 Q & A

1515 Break

1545 Modernizing the classification of distance esotropia's in adults: A retrospective chart review • *Daniella Lombardi, Grace Harradine*

1600 A review and discussion of recurrent sixth nerve palsies in adults • *Jennifer Lambert*

1615 The International Orthoptic Association • *Meggie Caldwell and Heather Fennel-Al Sayed*

1645 Q & A

1700 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.

POSTER PRESENTATIONS
PRÉSENTATIONS D’AFFICHES



POSTER PRESENTATIONS

0700 – 0800 & 1000 – 1045

• Exhibit Hall – Room 517BCD

Poster Award Presentation: Friday, June 16, Current Concepts I (0800 – 1000)

Poster Presentation Schedule: Question periods are organized by subspecialty and scheduled during the breakfast (0700-0800) and morning break (1000-1045), Friday June, 16 – Sunday, June 18:

Friday, June 16: Oculoplastics and Retina

Saturday, June 17: Cornea, Glaucoma, and Pediatrics

Sunday, June 18: Cataract, International and Public Health, Uveitis, and Vision Rehabilitation

Earn Your Section 2 Credits: 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.

INFORMATION FOR PRESENTERS:

Set-up: Thursday, June 15 – 1200 – 1700

Tear-down: Sunday, June 18 – 1330 – 1600

Poster size: Total usable space per poster board is 90" wide by 40" high

Presentation schedule: You must be present at your poster during breakfast and morning break to answer questions on your designated presentation day. Please see above for more details.

PRÉSENTATIONS D’AFFICHES

7 h 00 à 8 h 00 & 10 h 00 à 10 h 45

• Salle d’exposition – Salle 517BCD

Remise des prix pour les présentations d’affiches : Le vendredi 16 juin, Notion courantes I (8 h à 10 h)

Horaire des présentations d’affiches : Les périodes de questions sont organisées par subspecialité et programmées pendant le petit-déjeuner (7 h à 8 h) et la pause matinale (10 h à 10 h 45), vendredi 16 juin au dimanche 18 juin :

Le vendredi 16 juin : Oculoplastie et Rétine

Le samedi 17 juin : Cornée, Glaucome et Pédiatrie

Le dimanche 18 juin : Cataracte, Santé Internationale et Publique, Uvéite, et Réadaptation Visuelle

Obtenez vos crédits de la section 2 : 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.

INFORMATIONS POUR LES CONFÉRENCIERS :

Installation : Le jeudi 15 juin, entre midi et 17 h

Démontage : Le dimanche 18 juin, entre 13 h 30 et 16 h

Taille d’affiche : L’espace total utilisable par tableau d’affiche est de 90" de large par 40" de haut

Horaire des présentations d’affiches : Vous devez être présent à votre affiche pendant le petit-déjeuner et la pause matinale pour répondre aux questions à votre date de présentation désignée. Consultez les informations ci-dessus pour plus de détails.

FRIDAY, JUNE 16 | VENDREDI 16 JUIN

OCULOPLASTIC AND RECONSTRUCTIVE SURGERY OCULOPLASTIE ET CHIRURGIE RECONSTRUCTIVE

1. A potentially life threatening complication of conjunctivodacryocystorhinostomy: A case report
Kaisra Esmail, Stephanie Chan, Steven Gilberg
2. Squamous cell carcinoma of the canaliculus associated to HPV infection
Evangelina Esposito, Pablo Zoroquiain, Bryan Arthurs, Miguel Burnier
3. Bilateral traumatic subgaleal orbital hemorrhage: Case presentation and literature review
Michelle Khan, Ahsen Hussain, Simon S. M. Fung, Dan DeAngelis, Kamiar Mireskandri
4. Management of dysfunctional epiphora: Comparing the surgical outcome of non-endoscopic endonasal dacryocystorhinostomy, transcanalicular diode laser assisted dacryocystorhinostomy and external dacryocystorhinostomy
Can Öztürker, Bayasgalan Purevdorj, Gamze Ozturk Karabulut, Gamal Seif, Korhan Fazil, Yasser Anwar Khan, Pelin Kaynak
5. A case of orbital dumbbell dermoid cyst located at the frontozygomatic suture with a secondary extension through the orbital roof in the intracranial space
Can Öztürker, Bayasgalan Purevdorj, Gamal Seif, Yasser Anwar Khan
6. Use of dermis fat graft for cosmetical volume augmentation in the lower eyelid
Bayas n Purevdorj, Can Öztürker, Gamal Seif, Yasser Anwar Khan
7. Mucinous adenocarcinoma of the eyelid: A case series
Debra-Meghan Sanft, Pablo Zoroquiain, Bryan Arthurs, Miguel Burnier
8. Does mitomycin C improve the success of endoscopic DCR in Asian patients?
Chee-Chew Yip

RETINA | RÉTINE

9. Endoscopy assisted vitrectomy in proliferative vitreoretinopathy associated retinal detachment
Radwan Aylan, Jordan Isenberg, Flavio Rezende
10. A standardized approach to correlating OCT images to histopathology using paraffin embedded specimens: Clarification of the ellipsoid zone and new opportunities
Sabrina Bergeron, Carlos A. Moreira Neto, Pablo Zoroquiain, Jacqueline Coblentz, Miguel N. Burnier
11. Machine learning-assisted automated quantification of foveal avascular zone parameters and perifoveal capillary density of prototype and commercial optical coherence tomography angiography (OCT-A) platforms in healthy and diabetic eyes
Forson Chan, Zaid Mammo, Morgan Heisler, Chandrakumar Balaratnasingam, Pavle Pavle, Gavin Docherty, Sanjeeva Rajapakse, Sven Loncaric, Andrew Merkur, Andrew Kirker, David Albani, Mirza F. Beg, Marinko V. Sarunic, Eduardo Navajas
12. Small-gauge endoscopy-guided pneumatic anterior hyaloid detachment: A new surgical technique for combined pars plana vitrectomy and pars plana glaucoma drainage implant
Ali Dirani, Marina Ciongoli, Mark Lesk, Flavio Rezende
13. Strip-based registration of serially acquired optical coherence tomography angiography
Gavin Docherty, Morgan Heisler, Sieun Lee, Zaid Mammo, Yifan Jian, Myeong Jin Ju, Andrew Merkur, Eduardo Navajas, Chandrakumar Balaratnasingam, Mirza Faisal, Marinko Sarunic
14.  **HOT TOPIC** Distinguishing central serous chorioretinopathy and neovascular age related macular degeneration using enhanced depth imaging – A prospective study
Parampal Grewal, Steven Lapere, Christopher Rudnisky, Rizwan Somani, Matthew Tennant
15.  Metformin inhibits survival, migration, and vascular endothelial growth factor production in uveal melanoma cells
Jade M. Lasiste, Bruna Duarte, Denise Miyamoto, Pablo Zoroquiain, Miguel Burnier
16. Blowouts of the retinal pigment epithelium
Mikel Mikhail, **Nour Nofal**, Mikael Sebag
17. Efficacy of tele-ophthalmology initiative on patient satisfaction and compliance to follow-up
Prima Moinul, Joshua Barbosa, Mei Lin Chan, Varun Chaudhary

18. Optical coherence tomography examination of vitelliform lesions and the retinal pigment epithelium in patients with Best vitelliform macular dystrophy
Cynthia Qian, Dionisio Charran, Cameron R. Strong, Timothy J. Steffens, Thiran Jayasundera, John R. Heckenlively
19. Evaluation of the RETeval 30Hz flicker ERG in the assessment of diabetic patients
Nadia Sayed, Stuart Coupland, Vanja Popovic, Merem Faris, **Lynca Kantungane**
20. Anterior chamber paracentesis for central retinal artery occlusion: A promising alternative technique
Fatma Zaguia, Mikel Mikhail, Michael Kapustay

SATURDAY, JUNE 17 | SAMEDI 17 JUIN

CORNEA, EXTERNAL DISEASE AND REFRACTIVE SURGERY CORNÉE, MALADIES EXTERNES ET CHIRURGIE RÉFRACTIVE

21. Meibomian gland dysfunction and pseudohypoaldosteronism – Case report
Tahra AlMahmoud, Anu Varghese
22. Iatrogenic keratectasia following photorefractive keratectomy
Ricarda J. Bentham, David Edmison, Pablo Morales, Yelin Yang, Kashif Baig
23. Patient-reported visual function after Boston keratoprosthesis type I implantation
Cristina Bostan, Marwan Elfekhfakh, Mona Harissi-Dagher
24. DMEK shapes: Easing the tapping
Johanna Choremis, Mathieu Mercier, Michèle Mabon, Isabelle Brunette, Julia Talajic
25. Kaposi's sarcoma of the conjunctiva and orbit
Jacqueline Coblentz, Sabrina Cohen, Gerardo Discepolo, Rubens Belfort Neto, Bryan Arthurs, Miguel Burnier Jr.
26. Applications for 3D printing technology in the field of ophthalmology
Cornelis de Jager, Chris Adams, Davin E. Johnson
27. Etiology and management of ocular surface keratinization: A case report and literature review
Ahsen Hussain, Michael Sidiropoulos, Navdeep Nijhawan
28. The use of serum drops for the treatment of ocular surface disease in Canada - A national survey of cornea specialists
Michael Marchand, Mona Harissi-Dagher, Marc Germain, Paul Thompson, Marie-Claude Robert
29. Evaluation of dry eye disease in children with systemic lupus erythematosus, external eye disease and normal controls
Stephan Ong Tone, Uri Elbaz, Earl Silverman, Deborah Levy, Sara Williams, Kamiar Mireskandari, Asim Ali
30. Collagen cross-linking as an adjunct for repair of corneal lacerations: A cadaveric study
Timothy Ratzlaff, David W. Wei, Yao Wang, Mark Xu, Davin E. Johnson
31. Practice patterns in the interdisciplinary management of corneal abrasions
Michael Ross, Jean Deschênes
32. Ophthalmia nodosa secondary to caterpillar setae in a youth
Solin Saleh, Seymour Brownstein, Mustafa Kapasi, Michael O'Connor, Paula Blanco
33. A unique case of peripheral ulcerative keratitis secondary to hepatitis B-associated cryoglobulinemia and vasculitis
David W. Wei, Christian Pagnoux, Clara C. Chan

GLAUCOMA | GLAUCOME

34. Bio-modulation of primary human tenon's capsule fibroblasts using a novel application of coated magnesium
James J. Armstrong, Brian Dang, Vasiliki Tellios, Nikoleta Tellios, Cindy Hutnik
35. The temporal raphe of the retinal nerve fibre layer (RNFL) in glaucoma patients with a horizontal hemi-field visual defect
Ziad Butty, Jayme R. Vianna, Glen P. Sharpe, Donna M. Hutchison, Lesya M. Shuba, Paul E. Rafuse, Marcelo T. Nicolela, Balwantray C. Chauhan
36. Ontario glaucoma management study – Results from a provincial survey
Michael V. Caputo, Steve A. Arshinoff, Grace M. Scott, Brian J. Mitchell



37. A decade of surgical eye removals in Ontario: A clinical-pathological study
Sze W. S. Chan, Shireen Khattak, Narain Yücel, Neeru Gupta, Yeni Yücel
38. Standalone ab interno gelatin stent with MMC versus standalone trabeculectomy with MMC: Post-operative patient experience and healthcare utilization
Husayn Gulamhusein, Matthew Schlenker, Alix Somers, Ina Conrad-Hengerer, Ingeborg Stalmans, Fritz Hengerer, Iqbal (Ike) Ahmed
39.  **HOT TOPIC** Comparison of outcomes of trabeculectomy with subconjunctival injection of mitomycin C versus topical application with cellulose sponge
Claire Hamilton, Lesya Shuba
40. Evaluating patient perceptions of marijuana effectiveness on glaucoma
Nadia Hua, Sharnjit Bains, Isabel Ng, Enitan Sogbesan
41. SIRT3 increases peripheral ganglion cell survival in a kainic acid induced model of glaucoma
Henry Liu, Xiaoxin Guo, Joanne E. Nash, Jeremy M. Sivak
42. Outcomes of gonioscopy-assisted transluminal trabeculotomy (GATT) in juvenile and adult glaucoma
Natalya Kovalyuk, Paul Harasymowycz
43. Efficacy and safety of ab interno trabeculectomy in juvenile open angle glaucoma
Samir Nazarali, Sourabh Arora, Masahiro Maeda, Brian Francis, Mariko Maeda, Arthur J. Sit, Sameh Mosaed, Karim F. Damji
44. Fluctuation of intraocular pressure pre versus post pharmacological pupillary dilation measured by Goldmann applanation tonometry and transpalpebral Diaton tonometry
Cynthia Qian, Salima Hassanaly, Jean Duperre, Mona Harissi-Dagher
45.  **HOT TOPIC** Ocular rigidity differences between myopic and non-myopic eyes as measured with a novel non-invasive method based on high-speed OCT imaging
Diane Sayah, Javier Mazzaferri, Luke Beaton, Maribel Hidalgo, Félix Lalonde, Denise Descovich, Santiago Costantino, Mark Lesk
46. Association of ocular dominance and Humphrey visual field parameters: Mean deviation, pattern standard deviation, and visual field index
Enitan Sogbesan, Nadia Hua, Sharnjit Bains
47. Efficacy of selective laser trabeculoplasty versus argon laser trabeculoplasty in patients with pseudoexfoliative glaucoma
Jin Soo A. Song, Jayme Vianna, Lesya Shuba, Paul Rafuse, Marcelo Nicolela
48. Early post-operative outcomes of an ab externo SIBS Micro-Shunt with mitomycin C
Andrei-Alexandru Szigiato, Monika Baltaziak, Matthew Schlenker, Dominik Podbielski, Iqbal (Ike) Ahmed
49. The impact of glaucoma visual field severity and self-perceived visual disabilities on driving cessation and driving difficulty
Alex Lai Chi Tam, Graham E. Trope, Yvonne M. Buys, Ye Lin Yang, Carl Shen, Ya-Ping Jin
50. Transcleral intraocular lens fixation combined with an Ahmed implantation for late IOL dislocation associated with high intraocular pressure: A case series
Lucas A. Torres, Jayme R. Vianna, Marcelo T. Nicolela
51. Impact of first line treatment on quality of life among glaucoma and glaucoma suspect patients
Lavanya Uruthiramoorthy, Cindy Hutnik, Dan Lizotte, Monali Malvankar

PEDIATRIC OPHTHALMOLOGY AND STRABISMUS **L'OPHTALMOLOGIE PÉDIATRIQUE ET STRABISME**

52. Endothelial cell loss in obstetrical forceps-related corneal injury: a specular microscopy study
Ali El Hamouly, Hamza Sami, Simon S. M. Fung, Dishay Jiandani, Kamiar Mireskandari, Asim Ali
53. Unique ocular findings in Primordial Dwarfism: A case study
Paul Huang, Peter Huang, Vivian Hill
54. Rates of loss to follow up in pediatric vs adult ophthalmology patients
Hussain Khimji, Deepak Karivelil, Fariba Nazemi
55. Subretinal fluid in the presence of torpedo maculopathy: Two pediatric cases
Wai-Ching Lam, Stephanie A. Low
56. Phacomorphic glaucoma following silicone oil tamponade in a paediatric patient
Victoria C. Leung, Simon S.M. Fung, Rajeev Muni, Asim Ali

57. Acquired cataract from self-injurious behavior in the pediatric population
Kamiar Mireskandari, Tina Felfeli, Anne-Marie Yardley, Asim Ali
58. Case report: Primary orbital rhabdomyosarcoma occurring concurrently with a choroid plexus carcinoma in a toddler later diagnosed with Li-Fraumeni syndrome
Simrenjeet Sandhu, Thomas Hardy, Natasha Pollock
59. Factors influencing the success of treatment for children diagnosed with hyperopic and astigmatic anisometropia in London, Ontario
Fady Sedarous, Toylin Musewe, Alex Mao, Inas Makar
60. Orthoptic eye patch efficacy in the treatment of amblyopia
Joelle Tremblay, Louis-Philip Pelchat, Marcele Falcao
61. Long-term vision and alignment outcome in children with unicoronal craniosynostosis
Julie Vadboncoeur, Luis H. Ospina

SUNDAY, JUNE 18 | DIMANCHE 18 JUIN

CATARACT SURGERY | CHIRURGIE DE LA CATARACTE

62. Wound architecture and functional outcome after cataract surgery with manual vs. femtosecond laser assisted catalys procedures
Etienne Benard-Seguin, Raphaëlle Fadous, Leila Mejdoub, Hasitha Jaliya de Alwis Weerasekera, Isabelle Brunette, Paul Harasymowycz
63. Combining an extended depth-of-focus intraocular lens with a low-add multifocal intraocular lens to extend patient's functional vision
Sondra Black
64. First real-world Canadian experience with the Optiwave Refractive Analysis (ORA) System with VerifEye+ technology in patients undergoing cataract surgery in a single ophthalmology clinic
John F. Blaylock, Emmanouil Rampakakis
65. Intraocular lens biocompatibility: A novel, objective approach
Christina Mastromonaco, Matthew Balazsi, Pablo Zoroquiain, Patrick Logan, Evangelina Esposito, Jacqueline Coblentz, Aya Siblini, Miguel Burnier
66. Management of anterior capsular tears with a capsulorrhexis relaxing incision
Kelsey A. Roelofs, **Chris J. Rudnisky**

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

67. Diabetic retinopathy screening in a community pediatric diabetes clinic at Peterborough Regional Health Center
Kedija M. Abdella, Karolyn Hardy-Brown, Kylen McReelis, Hermina Strungaru
68. Evaluating Canadian ophthalmology residents' attitude, knowledge and perceptions of interprofessional collaboration
Sharnjit Bains, Isabel Ng, Enitan Sogbesan
69. Publication rate of abstracts presented at the 2010 Canadian Ophthalmological Society Annual Meeting
Alfred Basilius, Ana Maria Benavides Vargas, Yvonne M. Buys
70. The changing face of the ophthalmology workforce: An analysis of practice patterns and associations over two decades
Yvonne M. Buys, Tina Felfeli, Yaping Jin
71. Emergency ophthalmology consults at a Canadian tertiary teaching hospital: A retrospective review
Gavin Docherty, **Carol Tadrous**, Brennan Eadie, Simon Warner
72. Eye on the future of ophthalmology: Development of the University of Toronto's ophthalmology undergraduate preclerkship medical education curriculum
Tina Felfeli, Hannah H. Chiu, Daniel J. Weisbrod, Kathy Cao, Sherif El-Defrawy
73. Risk of bias assessment of randomized controlled trials in high-impact ophthalmology journals and medical journals: A systematic review
Lazar Joksimovic, Robert Kouchekei, Marko Popovic, Matthew Schlenker, Iqbal (Ike) Ahmed, Yusuf Ahmed

74. Trends in Canadian ophthalmology residency applications
Irfan N. Kherani, Bernard Hurley
75. Emergency ophthalmology in rural communities and the development of a novel ocular triage algorithm
Anmol Lamba, Hyder Shah, Aurinjoy Gupta, Sanjoy Gupta
76. Quantifying the level of evidence presented at the 2016 Canadian Ophthalmological Society Annual Meeting
Sarah J. Mullen, Joshua Barbosa, Michael Mak, Michael T. B. Nguyen, Payal Patel, Varun Chaudhary
77. Realist evaluation of an ophthalmology clerkship evaluation: What works, how and why
Nawaaz Nathoo, **Jane Gardiner**, David Maberley
-  78. Fragility of results in randomized control trials in ophthalmology
Carl Shen, Isabel Shamsudeen, Forough Farrokhyar, Kourosh Sabri

UVEITIS | UVÉITE

79. Disease characteristics, complications and treatment patterns in non-infectious intermediate, posterior and panuveitis in Canada
Marie-Josée Aubin, Julie Vadboncoeur, Véronique Lambert-Obry, Avril Gouault-Laliberté, Alex Castonguay, Marie-Claude Laliberté, Jean Lachaine
80. Multifocal Toxoplasma chorioretinitis and neuroretinitis in an immunocompetent adult
Ibrahim Elaraoud, Walter Andreatta, Soaib Tarin
81. Vogt-Koyanagi-Harada syndrome with granulomatous tattoo-related dermatitis: Case presentation
Ishrat Gill, Olga Ziouzina, Mike Kalisiak, Michael Fielden
82. Herpes zoster ophthalmicus: Presentation, initial management and delayed ocular involvement
Michael Ross, Jean Deschênes
83. Ocular syphilis: case series (2000-2015) from two tertiary care centers in Montreal
Julie Vadboncoeur, Yasmine Rabia, Annie-Claude Labbé, Claude Fortin, Laurence Jaworski, Marie-Josée Aubin
84. A profile of acute anterior uveitis in Saskatoon
Melody E. Wong, María Gabriela Campos-Baniak, Vasudha Erraguntla
85. Birdshot chorioretinopathy: Disease severity and HLA-A29 subtype
Lisa Zhang, Harrish Nithianandan, Rahul Sharma, Chloe Gottlieb

VISION REHABILITATION | RÉADAPTATION VISUELLE

86. eQUEST – eSight quality of life and efficacy study
Beatrice Patino, Sophia Reyes, Robert Devenyi, **Samuel N. Markowitz**, Multicenter Group of Investigators

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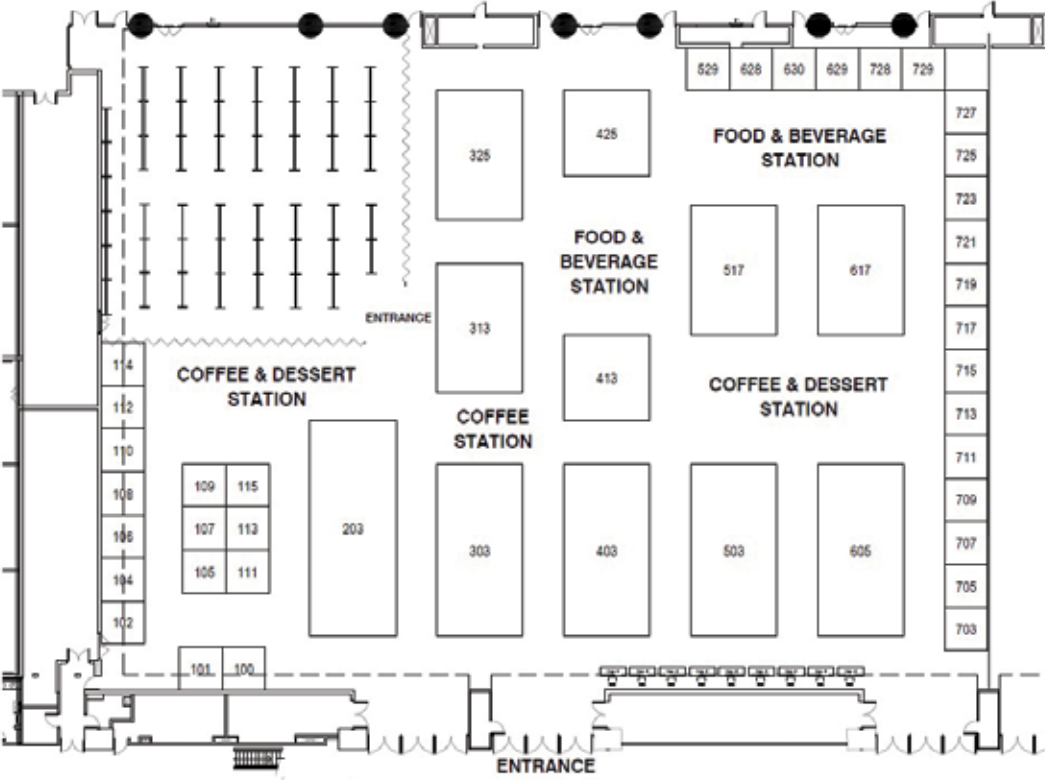
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Ophthalmic Direct offers a unique direct distribution channel for specialty ophthalmic products via our partnering network of ophthalmology clinics across Canada.

Through our direct distribution model we ship products directly to ophthalmologist's office where we also set up and manage the infrastructure required for proper storage and handling.

Ophthalmic Direct fosters close working relationships with all stakeholders in the process, thereby allowing for seamless care. Our team of dedicated specialists ensures that product supplies are available at the clinics when they are needed and also help patients navigate the often cumbersome insurance process needed to obtain coverage.

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Optos, Inc.

Booth 628, 630



Nancy Gordon

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Orasis Medical Technologies Inc.

Booth 707



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Orasis Medical Technologies Inc. is an affiliation of Oculo-Plastik, Inc. and distributes a full range of state-of-the-art ophthalmic surgical devices from FCI® (France.)

Our manufacturers FCI® and OCULO-PLASTIK, Inc., conform to the world's highest standards for quality design, manufacturing, and service. Orasis medical Technologies in collaboration with OCULO-PLASTIK Inc., is proud to help Canadian physicians improve the quality of their patients' lives through better vision and care.

Sacor Inc.

Booth 529



Chris Cowan

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Santen Inc.

Booth 413



Dr. Nozhat Choudry

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A New Vision in Canadian Eye Health.

At Santen Canada, our singular focus is our commitment to the ophthalmic community to improve vision health in Canada. From our founding in Japan over 100 years ago, to our expanding global presence, Santen has a long history of supporting the ophthalmic community through pioneering medical treatments. Working in partnership with eye care professionals, Santen has developed innovative products to help improve lives of patients world-wide. As we expand our global horizons, Santen is also focused on channeling our resources to develop therapies to help satisfy unmet needs in ophthalmology. After over a century of helping protect the world's vision, Santen is now committed to offering Canadians a brighter future through innovative medicines. For further information, please drop by our booth #413.

Santen Canada, vision is our focus.

Shire

Booth 517



Michael Muench

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Shire is the leading global biotechnology company focused on serving people with rare diseases and other highly specialized conditions. We strive to develop best-in-class products, many of which are available in more than 100 countries, across core therapeutic areas including Hematology, Immunology, Neuroscience, Ophthalmics, Lysosomal Storage Disorders, Gastrointestinal/Internal Medicine/Endocrine and Hereditary Angioedema; and a growing franchise in Oncology.

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Booth 113



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Topcon Canada Inc.

Booth 425



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As a global leader in ophthalmic technology, Topcon offers an extensive portfolio of technologies which provides workflow solutions to best meet your specific practice needs. You will diagnose better and more completely, treat your patients with optimal outcomes, work with greater efficiency and flexibility and grow your practice and service offerings. And always backed by excellent training, service and support.

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Topcon also distribute products and supplies from other world renowned manufacturers such as Accutome, Elektron Technology, Gulden Ophthalmics, Icare Finland, Kay Pictures, MorTan, M&S Technologies and Welch Allyn Canada.

Topcon Canada: Your Vision. Our Focus.

Walsh Medical Devices Inc.

Booth 725



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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.



Reimagining eye care

2017 is Alcon's 70th anniversary. In honor of this milestone, we would like to thank the people and partners that have been part of our story, and have enhanced the sight and improved the lives of millions of patients around the world.

2017 est le 70ème anniversaire d'Alcon. En l'honneur de cette étape, nous tenons à remercier les personnes et les partenaires qui ont fait partie de notre histoire et ont amélioré la visibilité et amélioré la vie de millions de patients à travers le monde.



Alcon A Novartis Division

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Chez Novartis, nous exploitons la puissance de l'innovation scientifique pour répondre aux problèmes de santé les plus complexes de la société. Nos chercheurs travaillent à repousser les limites de la science, à élargir notre compréhension des maladies et à développer de nouveaux produits dans les zones de grand besoin médical non-satisfait. Nous avons une passion pour la découverte de nouvelles façons d'améliorer et de prolonger le vie des gens.

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At Novartis, we harness the innovation power of science to address some of society's most challenging healthcare issues. Our researchers work to push the boundaries of science, broaden our understanding of diseases and develop novel products in areas of great unmet medical need. We are passionate about discovering new ways to improve and extend patients' lives.





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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 nous permet d’offrir des ateliers spécialisés axés non seulement sur la formation clinique, mais aussi sur les compétences de gestion de la pratique, la prise de décision éthique et les principes de gestion des soins fondés sur les données probantes. Nos commanditaires des CTC aident à faire progresser la formation ophthalmique spécialisée et à améliorer la prestation des soins aux patients.

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