

Canadian Cornea, External Disease & Refractive Surgery Society

Société canadienne de la cornée, des maladies externes et de la chirurgie réfractive

Objectives - Objectifs

Cornea, external disease, and refractive surgery subspecialists as well as comprehensive general ophthalmologists can increase

- knowledge of the indications, surgical techniques, and complication management of collagen crosslinking to manage kerectasias
- ability to describe the current trends among Canadian corneal subspecialists in the management of keratoconus
- knowledge of infectious diseases of the anterior segment of the eye and also of infections resulting from refractive surgery
- knowledge of new therapeutic options to treat and prevent ocular infections
- ability to improve treatment predictability and outcomes in laser refractive surgery
- knowledge of the indications and techniques of both penetrating and deep lamellar keratoplasty
- knowledge of the use of astigmatism correcting intraocular lenses in cataract surgery

Les spécialistes de la cornée, des maladies externes et de la chirurgie réfractive ainsi que les ophtalmologistes généralistes pourront accroître :

- la connaissance des indications, des techniques chirurgicales et de la gestion des complications des liaisons croisées du collagène pour traiter les kératectasies,
- la capacité de décrire les tendances courantes chez les surspécialistes canadiens de la cornée dans le traitement du kératocône,
- la connaissance des maladies infectieuses du segment antérieur de l'œil ainsi que des infections survenant lors de la chirurgie réfractive,
- la connaissance des nouveaux choix thérapeutiques pour traiter et prévenir les infections,
- la capacité d'améliorer la prédictibilité des traitements et des résultats de la chirurgie réfractive au laser,
- la connaissance des indications et des techniques de kératoplastie transfixiante et lamellaire profonde,
- la connaissance de l'utilisation de lentilles intraoculaires de correction en chirurgie de la cataracte.

Session I - Refractive surgery

Séance I - Chirurgie réfractive

Thursday, June 12 | 1530–1700 | Frontenac A/B

Jeudi 12 juin

Guest - Invité

Terrence P. O'Brien, MD

Moderators - Animateurs

Allan R. Slomovic / Johanna Choremis

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| 1530 | Welcome and introduction of the 8th Annual W. Bruce Jackson Lecture |
| 1533 | 8th Annual W. Bruce Jackson Lecture:
Update on wavefront-guided customized ablations
Terrence P. O'Brien |
| 1548 | Presentation of Award |
| 1550 | Discussion |
| 1555 | How to improve treatment predictability and outcomes with femtosecond and wavefront-guided ablations
L. Probst |
| 1602 | Fine-tuning wavefront-guided myopic LASIK: should we aim for the wavefront refraction with the Visx Star S4?
I. Kaiserman, I. Bahar, A.R. Slomovic, D.S. Rootman |
| 1609 | A new light source for the in-vivo riboflavin mediated crosslinking of collagen
R. Munger, M. Latorre, R. Al-Karmi, M. Griffith, K. Merrett |
| 1616 | Discussion |
| 1625 | Importance of cyclotorsion and pupil centroid shift in refractive outcomes after wavefront-guided LASIK
J. King |
| 1632 | Does the corneal flap alter the cyclotorsion rotations during iris registration?
R.N. Al Karmi, E. Levinger, D.S. Rootman |
| 1639 | Rochester (Enhanced) Nomogram improves predictability of customized LASIK
S. MacRae, M. Subbaram |
| 1646 | Guide for management of LASIK flap complications
Terrence P. O'Brien |
| 1656 | Discussion |

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Refractive surgery (continued)
Chirurgie réfractive (suite)

Friday, June 13 | 0800-0930 | Frontenac C
Vendredi 13 juin

Guest - Invité

Terrence P. O'Brien, MD

Moderators - Animateurs

David S. Rootman / Guillermo Rocha

- 0800 | Refractive cataract surgery: embracing the future
Terrence P. O'Brien
- 0815 | Visual function after implantation of bilateral AcrySof Toric natural intraocular lens
I. Bahar, I.K. Ahmed, R. Stein, A.R. Slomovic
- 0822 | Variability in pre-operative measurement of astigmatism in refractive patients: a case of instrument variability or patient positioning?
P. Lee, H. Gimbel, M. Ferensowicz
- 0829 | Discussion

Session II - Medical cornea

Séance II - Médecine de la cornée

Guest - Invité

Henry D. Perry, MD

Moderators - Animateurs

David S. Rootman / Guillermo Rocha

- 0838 | The continuing rise of Acanthamoeba keratitis
H.F. Chew, K.M. Hammersmith, R.C. Eagle, C.J. Rapuano, B.D. Ayres, P.R. Laibson, E.J. Cohen
- 0845 | Acanthamoeba: a five-year review of Acanthamoeba keratitis and evaluation of contamination of contact lens cases in asymptomatic wearers
C. Marquis, P.-A. Laughrea, V. Leblanc-Simard, C. Rancourt, L. Côté, P. Douville, R. Bazin, R. Dinh
- 0852 | Comparison of antibiotic-only and antibiotic-steroid combination treatment in corneal ulcer patients: interim report of a double-blinded, randomized clinical trial
COS Award for Excellence in Ophthalmic Research 1st Place
J. Blair, W.G. Hodge, S. Al-Ghamdi, R. Balabanian, B. Lowcock, Y. Pan, D. Fergusson, S. Aaron, W.B. Jackson, G. Mintsoulis, A.R. Slomovic
- 0859 | Discussion
- 0908 | Dysfunctional tear syndromes
Henry D. Perry
- 0923 | Discussion
- 0928 | Business meeting

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Session III - Surgical cornea

Séance III - Chirurgie de la cornée

Friday, June 13 | 1030–1200 | Frontenac C
Vendredi 13 juin

Guests - Invités

Kathryn Colby, MD / Terrence P. O'Brien, MD

Moderators - Animateurs

Paul J. Dubord / William G. Hodge

- 1030 | Fuchs' endothelial dystrophy: PK versus DSAEK
Terrence P. O'Brien
- 1045 | Discussion
- 1050 | Posterior lamellar keratoplasty: comparison of objective and subjective outcomes for DLEK and DSAEK performed in the same patients
W. Sansanayudh, I. Bahar, E. Levinger, S. Srinivasan, D.S. Rootman
- 1057 | Intralase enabled keratoplasty: the Top Hat wound configuration
I. Bahar, A. Lange, I. Kaiserman, E. Levinger, W. Sansanayudh, A.R. Slomovic, D.S. Rootman
- 1104 | Composite corneal substitutes with incorporated anti-HSV drugs delivery system
W.G. Hodge, Z. Zhang, M. Ghorbani, S. Dravida, S. Chaudry, F. Diaz-Mitoma, M. Griffith
- 1111 | Discussion
- 1120 | Keratoconus Management Study
M.E. Légaré, R. Bazin, G. Rocha
- 1127 | Introducing and assessing the Femtosecond-UVA-Riboflavin (FUR) approach to PKP
M. Butler, G. Rocha, A. Butler
- 1134 | Boston Keratoprosthesis outcomes and complications
H.F. Chew, B.D. Ayres, K.M. Hammersmith, C.J. Rapuano, P.R. Laibson, J.S. Myers, E.J. Cohen
- 1141 | The Boston Keratoprosthesis
Kathryn Colby
- 1151 | Discussion