

CaRO  **acRO**
Canadian Association of
Radiation Oncology Association canadienne
de radio-oncologie

in partnership with **CAMRT**  **ACTRM**

Annual Scientific Meeting 2019

Ablative Radiation Therapy – Mastering the ART



**CARO ASM October 2-5, 2019
Halifax Marriott Harbourfront Hotel
Halifax, Nova Scotia**

www.caro-acro.ca

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Canadian Association of Radiation Oncology (CARO)

Ablative Radiation Therapy – Mastering the ART Annual Scientific Meeting Program

Conference Objectives

By the end of the conference, delegates will be able to:

- Discuss Ablative Radiotherapy: indications, patient outcomes, technical aspects and cost-benefit analysis;
- Explore new paradigms in treating oligo-metastatic and oligo-progressive malignancies;
- Engage with radiation therapy professionals and identify Canadian-led research in Radiation Oncology.

Accreditation

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 Continuing Professional Development, Dalhousie University. You may claim a maximum of **19.75** hours (credits are automatically calculated).

Through an agreement between the Royal College of Physicians and Surgeons of Canada and the American Medical Association, physicians may convert Royal College MOC credits to *AMA PRA Category 1 Credits™*. Information on the process to convert Royal College MOC credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Canadian Association of Medical Radiation Technologists (CAMRT)
Category "A" Credits granted: **20.5 Category A Credits for full 3 day attendance**
RCEEM Reference Number: **CARO-2019-229**

Medical Dosimetrist Certification Board (MDCB) – **5.5 CE hours**

Presentations

All oral presentations in this program contain 25% for interactivity.

90-minute presentations include 60-minute talk, 30-minute question and answer period.

60-minute presentations include 45-minute talk, 15-minute question and answer period.

10-minute presentations include 7.5-minute talk, 2.5-minute question and answer period.

Canadian Association of Radiation Oncology (CARO)

Ablative Radiation Therapy – Mastering the ART
Annual Scientific Meeting Program

CARO Board of Directors

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- Pencilla Lang
- Brian Liszewski
- Kim O’Hearn
- Ericka Wiebe

Guest Faculty

- Robert Timmerman, CARO Lecturer
- Scott Tyldesley, CARO Gold Medal and Gordon Richard Lecturer
- Andrew Loblaw, Jean Roy Lecturer
- Eric Vigneault, Jean Roy Lecturer
- Justin B. Pigg, ASRT Lecturer

Theme Symposium Speakers

- David Palma
- Devin Schellenberg
- Chris Thomas
- Horacio Patrocinio
- Darby Eler
- Shannah Murland

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Dear Colleagues:

On behalf of the CARO Board of Directors I wish to welcome all to the 33rd CARO Annual Scientific Meeting in partnership with the CAMRT to Halifax, one of the top 10 global destinations for foodies, families, festival-goers and more!

As you know, the theme of this year's program focuses on the "ART" of Ablative Radiation Therapy. CARO is delighted to welcome Dr. Robert Timmerman as the distinguished CARO Lecturer, and Dr. Scott Tyldesley as this year's honoured

Gold Medalist and Gordon Richards Lecturer. The Programme kicks off with a superb line of speakers presenting an inter-professional Theme Symposium moderated by Drs. Lara Best and Jennifer Croke, and includes a number of other key events (as outlined in Dr. Fabio Cury's welcome letter), including a debate between Drs. Andrew Loblaw and Eric Vigneault at the Jean Roy Lecture, resident and fellow competitions, excellent oral and poster sessions, and other learning opportunities.

We have no doubt that we will achieve our educational objectives related to the ART of Radiation Therapy! This year's scientific program is once again outstanding, thanks to the hard work of the ASM Committee under the direction of Dr. Fabio Cury. Please take a moment this week to thank the Committee members for their very hard work through the year, including Jennifer Croke, Marc Gaudet, Paris-Ann Ingledew, Pencilla Lang, Brian Liszewski, Kim O'Hearn, Erika Wiebe, and the staff at Secretariat Central.

The Board is very appreciative for the tremendous work of our local organizers, Lara Best and Carol-Anne Davis, Mary Hooey, ASM Manager, and a very special thank you to Dr. Fabio Cury in his final year as ASM Chair.

We are also very grateful to our industry sponsors; without their commitment to CARO's ASM, our meeting would not be possible. I'm very excited about the ASM opportunities to advance our continuing education and professional development, renew friendships and bond with our colleagues and industry partners.

Finally, be sure to engage in the networking opportunities available to you at Alexander Keith's Brewery and the Awards Dinner Ceremony. Don't forget the YoGo for RO on Thursday evening and the FUN/Run Walk for CROF on Friday. Let's get together in the resilient spirit of Atlantic Canada!

Welcome!

Michael Brundage, CARO President



Chers collègues,

Au nom du conseil d'administration de l'ACRO, je désire vous souhaiter la bienvenue à Halifax, l'une des 10 destinations mondiales préférées des gastronomes, des familles, des adeptes de festivals et plus! C'est également l'emplacement de la 33^e Réunion scientifique annuelle de l'ACRO, organisée en partenariat avec l'ACTRM.

Comme vous le savez, le programme de cette année porte sur le thème de l'« ART » de la radiothérapie ablative. L'ACRO est ravie d'accueillir le D^r Robert Timmerman à titre de conférencier distingué et le D^r Scott Tyldesley en tant que médaillé d'or de l'année et conférencier Gordon Richards. Le programme débute avec une gamme exceptionnelle de conférenciers, qui présenteront un symposium interprofessionnel thématique animé par les D^{res} Lara Best et Jennifer Croke, et qui prévoit de nombreux autres événements clés (décrits dans la lettre de bienvenue du D^r Fabio Cury), dont un débat entre les D^{rs} Andrew Loblaw et Éric Vigneault pendant la conférence Jean Roy, des compétitions à l'intention des résidents et des boursiers, d'excellentes présentations orales et par affiches et d'autres occasions d'apprentissage.

Nous sommes convaincus que nous atteindrons nos objectifs pédagogiques liés à l'ART de la radiothérapie ablative! Une fois de plus, le programme scientifique de cette année est remarquable, grâce au travail ardu du Comité de la RSA, sous la tutelle du D^r Fabio Cury. Cette semaine, veuillez prendre le temps de remercier les membres du Comité, notamment Jennifer Croke, Marc Gaudet, Paris-Ann Ingledew, Pencilla Lang, Brian Liszewski, Kim O'Hearn, Erika Wiebe et le personnel du Secrétariat central, pour leur travail acharné cette année.

Le conseil apprécie grandement les efforts remarquables des organisateurs locaux, soit Lara Best et Carol-Anne Davis, ainsi que Mary Hooey, directrice de la RSA, et tient à remercier particulièrement le D^r Fabio Cury en sa dernière année à la présidence de la RSA.

Nous sommes aussi très reconnaissants à nos commentateurs; sans leur engagement envers la RSA de l'ACRO, celle-ci ne serait pas possible. Je me réjouis des occasions qu'offrira la RSA de favoriser la formation continue et le perfectionnement professionnel et d'encourager les participants à renouer des liens d'amitié avec leurs collègues et leurs partenaires de l'industrie.

Enfin, n'oubliez pas de participer aux activités de réseautage offertes à la brasserie Alexander Keith et d'assister à la cérémonie de remise de prix, qui sera accompagnée d'un repas. N'oubliez pas non plus le YoGo pour la RO, qui se tiendra jeudi soir, et la Course/marché pour la FCRO vendredi. Réunissons dans l'esprit de résilience du Canada Atlantique!

Bienvenue!

Michael Brundage
Président de l'ACRO



Dear Friends:

Welcome to the CARO ASM 2019 in partnership with the CAMRT in Halifax – the second largest ice-free harbor. Our theme **Ablative Radiation Therapy: Mastering the ART** will update and instruct us on the modern tendencies on the use of SBRT and SRS for improving treatment for our patients and advancing the field of Radiation Medicine.

The organizing committee has worked extremely hard to provide you with a program that will stimulate and provoke conversations among us. We begin Wednesday with the traditional Resident Refresher Course. Thursday starts with the Pan-Canadian Inter-professional Perspectives of Ablative Radiotherapy Theme Symposium followed by the CARO Lecture with Robert Timmerman from University of Texas Southwestern Medical Center in Dallas, Texas. This year, the CARO Gold Medalist and Gordon Richards Lecturer is Scott Tyldesley from the British Columbia Cancer Agency; Andrew Loblaw from Odette Cancer Centre and Eric Vigneault from Laval University, are the Jean Roy Lecturers, and the ASRT Lecturer is Justin Pigg from University of Florida Proton Therapy Institute.

Network with your friends and colleagues at Alexander Keith's Brewery on Thursday evening. Come and enjoy the east coast hospitality and entertainment. Celebrate Friday evening our award winners at the CARO Dinner at the Westin Nova Scotian Hotel.

Our social activities will also include Yo-GO for RO on Thursday and the Dr. Pamela Catton Memorial Run/Walk for CROF on Friday... we are counting on mother nature's cooperation!

Take some time to enjoy the unique shops, restaurants, cafes, galleries and pubs in town.

As this is my last CARO ASM as Chair, I want to take this opportunity to thank all of you who supported and collaborated with the success of the past meetings, especially to Mary Hooey, the person who runs the show from behind the curtains, and ask you to continue to support our association. I also would like to welcome Meredith Giuliani, who is the next ASM committee chair.

Enjoy Halifax!

Fabio Cury, ASM Chair



Chers amis,

Bienvenue à la réunion scientifique annuelle de 2019 de l'ACRO, présentée en partenariat avec l'ACTRM, à Halifax – emplacement du deuxième plus vaste port naturel toute-saison au monde. Notre thème de cette année, **Maîtriser la radiothérapie ablative**, nous permettra d'actualiser nos connaissances et nous informera sur les tendances modernes en ce qui concerne l'utilisation de la radiothérapie et de la radiochirurgie stéréotaxique pour améliorer le traitement de nos patients et faire progresser le domaine de la médecine des rayonnements.

Le comité organisateur a travaillé très fort pour vous offrir un programme qui provoquera la réflexion et qui alimentera nos conversations. Nous commençons dès mercredi avec le traditionnel cours de remise à niveau des résidents. La journée de jeudi commencera par le symposium sur les perspectives pancanadiennes et interprofessionnelles en matière de la radiothérapie ablative, après quoi Robert Timmerman, du Centre médical Southwestern de l'Université du Texas, à Dallas, sera le conférencier d'honneur de la Conférence ACRO. Cette année, Scott Tyldesley de la British Columbia Cancer Agency est médaillé d'or de l'ACRO et c'est à lui que revient l'honneur d'être le conférencier Gordon Richards. Andrew Loblaw, du Odette Cancer Centre, et Éric Vigneault, de l'Université Laval, sont les conférenciers Jean Roy, et le conférencier ASRT (American Society of Radiologic Technologists) est Justin Pigg du University of Florida Health Proton Therapy Institute.

Établissez des réseaux avec vos amis et collègues à la brasserie Alexander Keith le jeudi soir et profitez de l'hospitalité et des divertissements que vous offre la côte est. Vendredi soir, venez célébrer nos lauréats lors du souper ACRO qui aura lieu à l'hôtel Westin Nova Scotian.

Nos activités sociales comprendront également l'événement Yo-GO for RO (jeudi) et la course / marche commémorative Pamela Catton pour la Fondation canadienne de radio-oncologie (vendredi)... nous espérons pouvoir compter sur la collaboration de mère Nature!

N'oubliez pas de prendre le temps de découvrir les boutiques, les restaurants, les cafés, les galeries et les pubs de la ville.

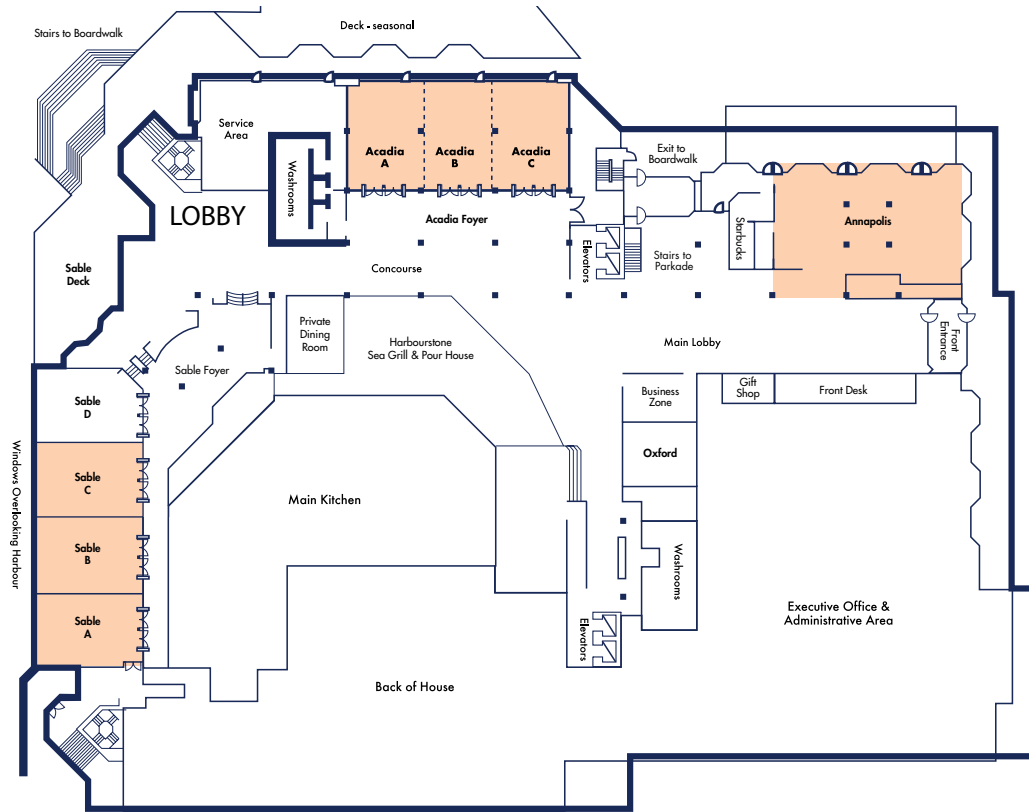
Comme il s'agit de la dernière fois que je présiderais la réunion scientifique annuelle de l'ACRO, je profite de cette occasion pour remercier tous ceux qui ont participé à la réussite des dernières réunions, notamment Mary Hooey, la personne qui, de derrière les rideaux, dirige le spectacle, et je vous demande de continuer à appuyer notre association. J'aimerais également souhaiter la bienvenue à Meredith Giuliani, présidente du comité travaillant sur la prochaine réunion scientifique annuelle.

Profitez bien de la ville d'Halifax!

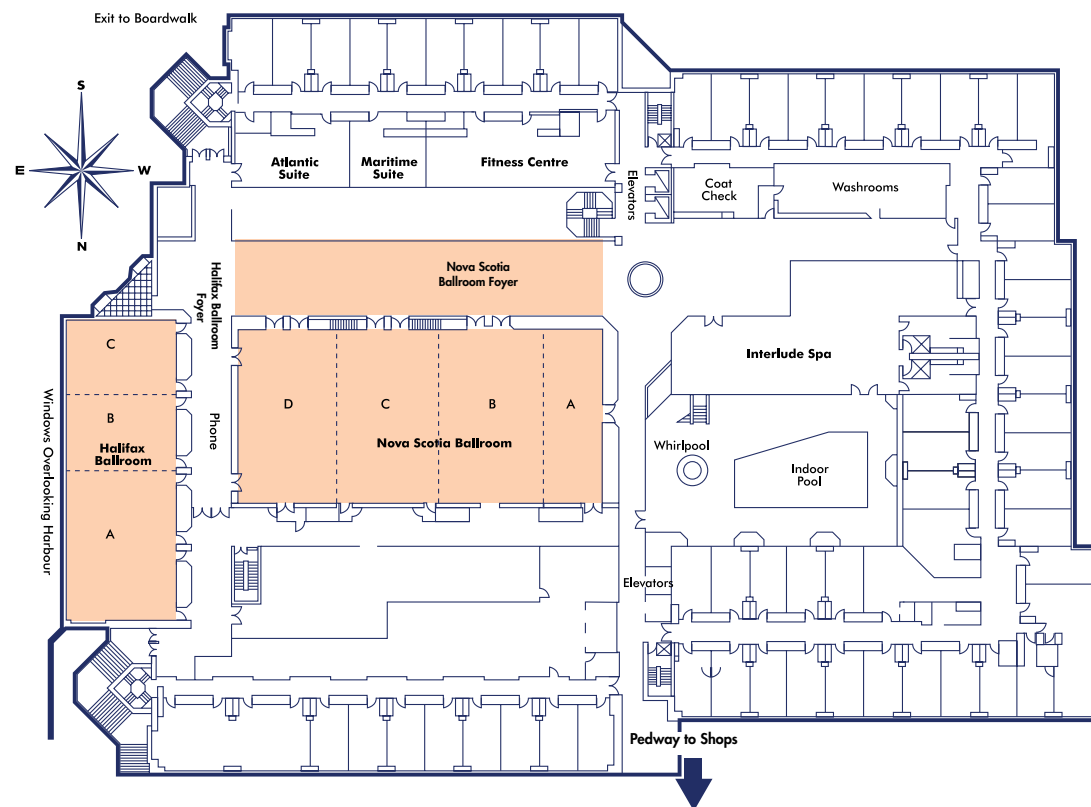
Fabio Cury, Présidente, comité de planification du CSA

Halifax Marriott Harbourfront Hotel Floor Plan

GROUND FLOOR



SECOND FLOOR



Canadian Association of Radiation Oncology (CARO)

Ablative Radiation Therapy – Mastering the ART Annual Scientific Meeting Program

Wednesday, October 2, 2019

Preconference Events

TIME	EVENT	LOCATION
7:30 – 4:00pm	Resident Refresher Course Moderator: Jennifer Croke Objectives: At the end of this session, learners will be able to: • Give an evidence-based overview on the indications for radiotherapy in paediatric malignancies, skin cancer and early-stage lung cancer; • Explore new paradigms for the delivery of SBRT in oligo-metastatic malignancies; • Discuss the emerging role of Immunotherapy; • Understand key concepts related to treatment planning, plan evaluation and image guidance.	Acadia ABC
7:30 – 8:00am	Breakfast and Registration	
8:00 – 8:15am	Welcome and Introduction	
8:15 – 9:00am	Paediatric Tumours – What's High Yield? Derek Tsang	
9:00 – 9:45am	Skin Cancer: Who, What, Where, When, Why, How... Lara Best	
9:45 – 10:05am	Refreshment Break	
10:05 – 10:50am	The Highs and Lows of Lung SBRT Colin Brown	
10:50 – 11:35am	Immunotherapy Robyn Macfarlane	
11:35 – 1:00pm	Lunch/Resident and Fellow Meeting	
1:00 – 3:00pm	Choose Your Own Adventure: Cases in Radiation Planning, Delivery and Quality Assurance Trish Daigle Maloney, Carol-Anne Davis, Hannah Dahn, Alasdair Syme	
3:00 – 3:15pm	Refreshment Break	
3:15 – 4:00pm	Thinking beyond COMET – What's on the Horizon for Oligometastases? Alexander Louie	
4:30 – 6:00pm	Resident Career Counselling Social Event 2 Doors Down 1533 Barrington St. (902) 422-4224	2 Doors Down
6:00 – 9:00pm	CARO Board Meeting	Annapolis

Wi-Fi

Network: Marriott_CONFERENCE
Code: CAROASM (non-case sensitive)



#caroasm2019; #caro2019
@caro_acro_ca

Thursday, October 3, 2019

TIME	EVENT	LOCATION
7:00 – 8:00am	Breakfast and Registration	Nova Scotia Foyer
7:00 – 8:00am	Meet and Greet	Sable ABC
8:00 – 8:15am	Welcome and Introduction Fabio Cury, Gaillyne MacPherson	Nova Scotia ABCD
8:15 – 9:45am	Theme Symposium – Pan-Canadian Inter-professional Perspectives of Ablative Radiotherapy Moderators: Lara Best, Jennifer Croke Objectives: At the end of this session, learners will be able to: <ul style="list-style-type: none"> • Provide an overview of current treatment planning practices for ablative radiotherapy; • Discuss current clinical application of ablative radiotherapy and future potential; • Describe treatment delivery considerations when applying ablative radiotherapy, including planning, image matching, patient education. Practical Lessons Learned from SABR-COMET and COMET-10 David Palma Difficulties enrolling into Clinical Trials when patients/doctors have already decided what they want Devin Schellenberg SRS/SRT: Today and Tomorrow Chris Thomas Immobilization, IGRT Issues, fiducial Issues and what we haven't figure out about PTV margins Horacio Patrocinio Rapid Expansion of an SBRT Program Challenges Darby Erler Practical Considerations in Selecting Respiratory Motion Management in SBRT Liver Patients a.k.a. "What Do You Mean You Don't Know How to Breathe with Your Chest?" Shannah Murland Panel Discussion	Nova Scotia ABCD
9:45 – 10:30am	Refreshment Break	Nova Scotia Foyer
10:30 – 11:30am	CARO Lecture Introduction: Michael Brundage Adaptation: the Next Logical Step for SAbR Robert Timmerman Objectives: At the end of this session, learners will be able to: <ul style="list-style-type: none"> • Review/contrast the unique response characteristics of SAbR relative to conventional radiotherapy; • Identify clinical features pertinent to SAbR adaptation; • Speculate on future prospects of SAbR adaptations. 	Nova Scotia ABCD

Thursday, October 3, 2019

TIME	EVENT	LOCATION
11:30 – 12:30pm	Resident Competition Moderators: Jean-Philippe Pignol, Robert Timmerman Objectives: At the end of this session, learners will be able to: <ul style="list-style-type: none"> • Discuss the top ranked/scored Resident research projects in radiation oncology across Canada. <ol style="list-style-type: none"> 1 THE EMERGING ROLE OF STEREOTACTIC ABLATIVE RADIOTHERAPY IN PRIMARY RENAL CELL CARCINOMA: A SYSTEMATIC REVIEW OF THE LITERATURE Rohann JM Correa¹, Shankar Siva², Gabriel Boldt¹, Nicholas Zaorsky³, Alexander V. Louie⁴ ¹London Health Sciences Centre, London, ON ²Peter McCallum Cancer Centre, Melbourne, AU ³Pennsylvania State University, Hershey, PA ⁴University of Toronto, Toronto, ON 2 ACURA DRIVE: DEFINING RADIORECURRENT INTRAPROSTATIC TARGET VOLUMES Wei Liu¹, Hatim Fakir¹, Gurpreet Randhawa¹, Zahra Kassam¹, Hans T Chung², Peter Chung², Aaron Ward¹, Katherine Zukotynski³, Louise Emmett⁴, Glenn Bauman¹ ¹Western University, London, ON, ²University of Toronto, Toronto, ON ³McMaster University, Hamilton, ON ⁴St. Vincent's Hospital, Sydney, AU 3 ELECTROMAGNETIC RECONSTRUCTION OF CATHETER PATHS IN BREAST BRACHYTHERAPY Harry Brastianos, Natasja Jensen, Tamas Ungi, Andras Lasso, James Gooding Queen's University, Kingston, ON 4 SAFETY AND EFFECTIVENESS OF STEREOTACTIC ABLATIVE RADIOTHERAPY FOR ULTRA-CENTRAL LUNG CANCER: A SYSTEMATIC REVIEW Hanbo Chen¹, Joanna Laba¹, Sondas Zayed¹, R. Gabriel Boldt¹, David Palma¹, Alexander Louie² ¹Western University, London, ON ²University of Toronto, Toronto, ON 5 PREDICTING RADIATION ADVERSE EFFECTS USING THREE-DIMENSIONAL DOSE AND FRACTIONATION DATA: RADIATION DERMATITIS Andrew Lim, Kurian Joseph University of Alberta, Edmonton, AB 6 NOVEL X-RAY ACTIVATED PHOTODYNAMIC (RADIO-PDT) NANOPARTICLES FOR DEEP SEATED TUMOURS Deepak Dinakaran, Hua Chen, Melinda Wuest, Frank Wuest, David Murray, Nawaid Usmani, Ravin Narain, John Lewis, Ronald Moore University of Alberta, Edmonton, AB 	Nova Scotia ABCD
12:30 – 2:30pm	Lunch/Committee Meetings	
1:00 – 2:00pm	CARO Women in Radiation Medicine Luncheon: The Importance of Physician Leadership in Modern Healthcare Mary Gospodarowicz	Acadia BC

Thursday, October 3, 2019

TIME	EVENT	LOCATION
2:30 – 3:30pm	<p>CONCURRENT SESSION: Fellow Competition Moderators: Amanda Caissie, Fabio Ynoe de Moraes</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> • Discuss the top scored Canadian Radiation Oncology Fellow research projects. <p>7 CARO ACURA 2013 MRI-GUIDED FOCAL SALVAGE HDR BRACHYTHERAPY FOR LOCALLY RECURRENT PROSTATE CANCER Lisa Joseph¹, Akbar Beiki-Ardakani¹, Robert Weersink¹, Alexandra Rink¹, Bernadeth Lao¹, Padraig Warde¹, Charles Catton¹, Andrew Bayley¹, Cynthia Menard², Joelle Helou¹, Alejandro Berlin, Aravind Sundaramurthy¹, Peter Chung¹ ¹University of Toronto, Toronto, ON ²University of Montreal, Montreal, QC</p> <p>8 STEREOTACTIC BODY RADIOTHERAPY AND PRECISION HYPOFRACTIONATED RADIOTHERAPY VERSUS SURGERY FOR STAGE I NON-SMALL CELL LUNG CANCERS: AN 11-YEAR REVIEW OF A PROVINCIAL CANCER REGISTRY Yizhou Zhao¹, Lucy Shiru Liu², Devin Schellenberg¹, Andra Krauze¹ ¹University of British Columbia, Surrey, BC ²University of British Columbia, Vancouver, BC</p> <p>9 CARO ACURA KNOWLEDGE-BASED PLANNING TO IMPROVE AND AUTOMATE PATIENT-SPECIFIC RADIOTHERAPY QUALITY ASSURANCE PROCEDURES IN CLINICAL TRIALS – SECONDARY ANALYSIS OF CCTG HN6 Srinivas Raman¹, Wendy Parulekar², Carrie-Lynne Swift¹, Robert Kosztyla¹, John Waldron³, Jolie Ringash³, Alysa Fairchild⁴, Alexander Montenegro⁵, Alan Nichol¹ ¹University of British Columbia, Vancouver, BC ²Queen's University, Kingston, ON ³University of Toronto, Toronto, ON ⁴University of Alberta, Edmonton, AB ⁵Queen's University, Kingston, ON</p> <p>10 THE IMPACT OF DOSE TO BLADDER NECK ON URINARY TOXICITY IN PATIENTS TREATED WITH HDR BRACHYTHERAPY BOOST FOR PROSTATE CANCER Ibtihel Ben Aicha¹, Damien Carignan¹, André-Guy Martin¹, Philippe Després², William Foster¹, Marie-Claude Lavallée¹, Sylviane Aubin¹, Luc Beaulieu², Frédéric Lacroix¹ ¹CHU de Québec-Université Laval, Québec, QC ²Université Laval, Québec, QC</p> <p>11 PROSTATE BED TREATMENT INTENSIFICATION WITH LONG TERM ANDROGEN DEPRIVATION AND PELVIC NODAL RADIOTHERAPY IS EFFECTIVE AND WELL TOLERATED: RESULTS FROM THE MCGILL 0913 PHASE II CLINICAL TRIAL Michael Kucharczyk, James MG Tsui, Boris Bahoric, Luis Souhami, Tamim Niazi McGill University, Montreal, QC</p> <p>12 IMPACT OF COMPLIANCE ON OUTCOMES FOR PATIENTS ON ACTIVE SURVEILLANCE FOR PROSTATE CANCER Jay Detsky¹, Alireza Fotouhi Ghiam², Laurence Klotz¹, Stanley Liu¹, Andrew Loblaw¹, Danny Vesprini¹ ¹University of Toronto, Toronto, ON ²University of Pennsylvania, Philadelphia, PA</p>	Nova Scotia AB

Thursday, October 3, 2019

TIME	EVENT	LOCATION
2:30 – 3:30pm	<p>CONCURRENT SESSION: Radiation Therapy Oral Session 1 Moderators: Nicole Harnett, Brian Liszewski</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> • Discuss specific topics in radiation medicine including fiducial motion within the liver, impact of PET-CT scan on planning for oropharyngeal carcinoma, a system for incident reporting, development of a peer-review process, MRI assessment of hydrogel for prostate cancer, and assessment of a novel breast support. <p>13 COMPARISON OF FIDUCIAL MOTION IN LIVER STEREOTACTIC ABLATIVE RADIOTHERAPY (SABR) PATIENTS USING 4DCT, AND FLUOROSCOPY Christine Rodgerson¹, Isaac Tai¹, Christina Cumayas¹, Alanah Bergman², Tania Karan², Marie-Laure Camborde², Emma Dunne³ ¹British Columbia Cancer Agency, Vancouver, BC ²University of British Columbia, Vancouver, BC ³London, UK</p> <p>14 CLINICAL OUTCOMES OF DEFINITIVE RADIATION THERAPY (RT) FOR OROPHARYNGEAL HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) PATIENTS PLANNED WITH OR WITHOUT POSITRON EMISSION COMPUTER TOMOGRAPHY (PET-CT) Carol-Anne Davis, Ameer Jarrar, Helmut Hollenhorst, Derek Wilke, Murali Rajaraman Dalhousie University, Halifax, NS</p> <p>15 LEARNING TOGETHER; ESTABLISHING A PROVINCIALY INTEGRATED SYSTEM FOR INCIDENT REPORTING AND LEARNING Kathryn Moran, Lara Best, Lisa Bourne, Tracy Day, Karyn Sutherland, Carolyn Fifield, Amanda Cherpak, Raymond Wright, Mammo Yewondwossen, Terra Thibault, Thomas Ashford, Murali Rajaraman, Nikhilesh Patil, Darrell Discher, Helmut Hollenhorst Nova Scotia Health Authority, Halifax, NS</p> <p>16 THE USE OF MRI-BASED CONTOUR IN ASSESSING THE IMPACT OF HYDROGEL SPACER ON RECTAL DOSIMETRY IN PROSTATE STEREOTACTIC RADIOTHERAPY Vickie Kong, Noelia Salgado, Tim Craig, Lisa Joseph, Alejandro Berlin, Peter Chung Princess Margaret Cancer Centre, Toronto, ON</p> <p>17 DEVELOPMENT AND IMPLEMENTATION OF A GROUP PEER REVIEW PROCESS TO IMPROVE QUALITY CULTURE AND FULL PLAN REVIEW COMPLIANCE Christine Baillie, Wladyslawa Cwajna, Tracy Day, Kerry Hanlon, Peilong Zhang, Carol-Anne Davis, Mammo Yewondwossen, Raymond Wright, Helmut Hollenhorst Dalhousie University, Halifax, NS</p> <p>18 PILOT STUDY TO ASSESS SAFETY OF THE NOVEL CARA BREAST SUPPORT FOR SUPINE ADJUVANT BREAST RADIOTHERAPY Erika Facchin¹, Tara Menna¹, Tania Arora¹, Sheri Grahame¹, Janet Yanchuk², Leanna Drummond², Peter Lim³, Christina Aquino-Parsons³, Mira Keyes³, Jacqueline Lam³, Theodora Koulis², Alan Nichol³, Elisa Chan³, Cheryl Duzenli³ ¹British Columbia Cancer Agency, Vancouver, BC ²British Columbia Cancer Agency, Kelowna, BC ³University of British Columbia, Vancouver, BC</p>	Nova Scotia CD

Thursday, October 3, 2019

TIME	EVENT	LOCATION
3:30 – 4:30pm	<p>CONCURRENT SESSION: Oral Session 1 – Genitourinary Cancer Moderators: Merrylee McGuffin, Lucas Mendez</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Understand important concepts in treatment planning and delivery of modern radiation therapy for different genito-urinary tumours; Understand the impact of systemic therapies in the outcomes of prostate cancer treatment. <p>19 STEREOTACTIC BODY RADIOTHERAPY FOR LARGE PRIMARY LARGE RENAL CELL CARCINOMA: A REPORT FROM THE INTERNATIONAL RADIOSURGERY ONCOLOGY CONSORTIUM FOR KIDNEY (IROCK) Rohann JM Correa¹, Shankar Siva², Andrew Warner¹, Michael Staehler³, Senthilkumar Gandhiahassan², Lee Ponsky⁴, Rodney Ellis⁵, Irving Kaplan⁶, Anand Mahadevan⁷, William Chu⁸, Anand Swaminath⁹, Hiroshi Onishi¹⁰, Bin S Teh¹¹, Simon S Lo¹², Alexander Muacevic³, Alexander V Louie¹³ ¹London Health Sciences Centre, London, ON ²Peter McCallum Cancer Centre, Melbourne, AU ³University of Munich Hospitals, Munich, GER ⁴University Hospitals Seidman Cancer Center, Cleveland, OH ⁵Pennsylvania State University, State College, Pennsylvania, PA ⁶Beth Israel Deaconess Medical Center, Boston, MA ⁷Geisinger Health, Danville, Pennsylvania, PA ⁸Sunnybrook Health Sciences Centre, Toronto, ON ⁹Juravinski Cancer Centre, Hamilton, ON ¹⁰University of Yamanishi, Yamanishi ¹¹Houston Methodist Hospital, Cancer Center, Houston, TX ¹²University of Washington School of Medicine, Seattle, WA ¹³University of Toronto, Toronto, ON</p> <p>20 CARO ACURA PRELIMINARY RESULTS OF A TWO STAGE PHASE II STUDY OF 18F-DCFPYL PET-MR FOR ENABLING OLIGOMETASTASES ABLATIVE THERAPY IN SUBCLINICAL PROSTATE CANCER Rachel Glicksman¹, Ur Metser¹, Doug Vines¹, Rosanna Chan², John Valliant³, Peter Chung¹, Mary Gospodarowicz¹, Andrew Bayley¹, Charles Catton¹, Padraig Warde¹, Joelle Helou¹, Nafisha Lalani¹, David Green², Nathan Perlis², Neil Fleshner², Robert Hamilton², Alexandre Zlotta², Antonio Finelli², David Jaffray¹, Alejandro Berlin¹ ¹University of Toronto, ON ²University Health Network, Toronto, ON ³McMaster University, Hamilton, ON</p> <p>21 THE ELDORADO STUDY: A PHASE II RANDOMISED STUDY OF CHEMO-RADIATION AND LONG-TERM ANDROGEN DEPRIVATION IN PATIENTS WITH HIGH-RISK PROSTATE CANCER. A RE-ANALYSIS OF THE PRIMARY ENDPOINT Derek Wilke, Lori Wood, Helmut Hollenhorst, Robert Rutledge, David Bowes, Nikhilesh Patil, Tetteh Ago, Slawa Cwajna, Jean-Philippe Pignol Dalhousie University, Halifax, NS</p> <p>22 OUTCOMES AND PROFILES OF ELDERLY PATIENTS RECEIVING DEFINITIVE RADIOTHERAPY FOR MUSCLE-INVASIVE BLADDER CANCER AT A TERTIARY MEDICAL CENTER IN U.S.A. Richard Choo¹, Kimberly Gergelis¹, Cole Kreofsky², Christopher Choo³ ¹Mayo Clinic, Rochester, MN ²Bismarck Cancer Center, Bismarck, ND ³University of Minnesota, Minneapolis, MN</p>	Nova Scotia AB

Thursday, October 3, 2019

TIME	EVENT	LOCATION
3:30 – 4:30pm	<p>Oral Session 1 – Genitourinary Cancer (cont'd)</p> <p>23 IMPACT OF CONCOMITANT MEDICATIONS ON OUTCOME IN PATIENTS WITH LOCALIZED PROSTATE CANCER TREATED WITH DOSE-ESCALATED EXTERNAL BEAM RADIOTHERAPY AND ANDROGEN DEPRIVATION THERAPY: A POOLED ANALYSIS OF TWO PROSPECTIVE TRIALS Soumyajit Roy, Shawn Malone, Scott Grimes, Scott Morgan University of Ottawa, Ottawa, ON</p> <p>24 SUBSEQUENT ANDROGEN DEPRIVATION THERAPY AFTER INITIAL TREATMENT IN INTERMEDIATE RISK PROSTATE CANCER: PROSPECTIVE DATA FROM A PHASE III TRIAL Abdenour Nabid¹, Nathalie Carrier¹, Eric Vigneault², Thu Van Nguyen³, Peter Vavassis³, Marc-André Brassard¹, Boris Bahoric³, Robert Archambault⁴, François Vincent³, Redouane Bettahar², Derek Wilke⁵, Luis Souhami³, Abdenour Nabid¹ ¹Université de Sherbrooke, Sherbrooke, QC ²Université Laval, Québec, QC ³Université de Montréal, Montréal, QC ⁴Université du Québec en Outaouais et Université McGill, Gatineau, QC ⁵Dalhousie University, Halifax, NS</p>	Nova Scotia AB
3:30 – 4:30pm	<p>CONCURRENT SESSION: Oral Session 2 – Applied Technology Moderators: Natalie Logie, Michael Velec</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Recognize important aspects of treatment planning and delivery using SBRT; Review current practices and outcomes of radiation therapy for different tumours. <p>25 STEREOTACTIC BODY RADIATION TREATMENT OF SYNCHRONOUS EARLY STAGE NON-SMALL CELL LUNG CANCERS Jack Zheng, Ritika Hinduja, Jason Pantarotto, Graham Cook, Robert MacRae University of Ottawa, Ottawa, ON</p> <p>26 RADIATION-INDUCED BRAIN INJURY IN MENINGIOMA PATIENTS TREATED WITH PROTON OR PHOTON THERAPY Jiheon Song¹, Saif Aljabab², Lulwah Abduljabar¹, Yolanda Tseng³, Jason Rockhill³, James Fink³, Lynn Chang¹, Lia Halasz³ ¹University of Ottawa, Ottawa, ON ²Roswell Park Cancer Center, Buffalo, NY ³University of Washington, Seattle, WA</p> <p>27 PROGNOSTIC ASSESSMENT OF INTERIM FDG-PET IN ESOPHAGEAL CANCER TREATED WITH CHEMORADIATION WITH OR WITHOUT SURGERY Sophie Lavertu, Maroie Barkati, Sylvain Beaulieu, Jocelyne Martin, Marie-Pierre Campeau, David Donath, Ibtihel Ben Aicha, David Roberge Université de Montréal, Montréal, QC</p> <p>28 MRI-GUIDED BRACHYTHERAPY PLAN OPTIMIZATION WITH THREE VERSUS FOUR FRACTION TREATMENT FOR LOCALLY ADVANCED CERVICAL CANCER Eric Leung¹, Kathy Han¹, Moti Paudel¹, Kevin Martell¹, Amandeep Taggar¹, Lucas Mendez², Toni Barnes¹, Laura D'Alimonte¹, Ananth Ravi¹ ¹University of Toronto, Toronto, ON ²Western University, London, ON</p>	Nova Scotia CD

Thursday, October 3, 2019

TIME	EVENT	LOCATION
3:30 – 4:30pm	Oral Session 2 – Applied Technology (cont'd) 29 BONE-ONLY DUAL-ENERGY STEREOSCOPIC X-RAY IMAGING FOR SPINE SBRT Sahar Darvish-Molla ¹ , Kathryn Moran ² , Mike Sattarivand ² ¹ Nova Scotia Health Authority, Halifax, NS ² Dalhousie University, Halifax, NS 30 RETROSPECTIVE EVALUATION OF THE EFFECTS OF INTEROBSERVER CONTOURING PRACTICES IN CLINICAL PRACTICE Haley Patrick, Luis Souhami, John Kildea McGill University, Montreal, QC	Nova Scotia CD
4:30 – 6:00pm	Trainee Mentoring Session Moderator: Jennifer Croke Panel: Michael Brundage, Corinne Doll, Israel Fortin, Mary Gospodarowicz, Ross Halperin, Teri Stuckless	Acadia BC
6:00 – 6:45pm	YoGo for RO (Yoga) Tabitha Carloni	Acadia C
7:00pm	Welcome Reception – Alexander Keith's Brewery 1496 Lower Water St. Phone: (902) 455-1474	Alexander Keith's Brewery

Friday, October 4, 2019

TIME	EVENT	LOCATION
7:00 – 8:00am	Breakfast and Registration	Nova Scotia Foyer
8:00 – 9:00am	CONCURRENT SESSION: Oral Session 3 – Stereotactic Radiosurgery Moderators: Rashid Dar, Fabio Ynoe de Moraes Objectives: At the end of this session, learners will be able to: <ul style="list-style-type: none"> Understand the most recent advances in radiosurgery and its impact on treatment outcomes; Discuss important factors related to quality of treatment planning and delivery. 31 A MULTI-INSTITUTIONAL RETROSPECTIVE CLINICAL AND DOSIMETRIC ANALYSES OF 1033 OLIGOMETASTATIC PATIENTS TREATED WITH SBRT FROM THE CONSORTIUM FOR OLIGOMETASTASES RESEARCH-CORE Ian Poon ¹ , Darby Erler ² , Roi Dagan ³ , Kristin Redmond ⁴ , Matthew Foote ⁵ , Serena Badellino ⁶ , Tithi Biswas ⁷ , Umberto Ricardi ⁶ , Young Lee ¹ , Arjun Sahgal ¹ ¹ University of Toronto, Toronto, ON ² Odette Cancer Centre, Toronto, ON ³ University of Florida, Gainesville, FL ⁴ Johns Hopkins, Baltimore, MD ⁵ University of Queensland, Queensland, AU ⁶ University of Torino, Torino, IT ⁷ UH Cleveland Medical Center, Cleveland, OH 32 LONG TERM RESULTS OF 120 CASES OF VESTIBULAR SCHWANNOMA TREATED WITH CYBERKNIFE™ ROBOTIC STEREOTACTIC RADIOSURGERY AT THE OTTAWA HOSPITAL CANCER CENTRE Eduardo Gaviolli, Jack Zheng, John Sinclair, Janos Szanto, Fahad Alkherayf, Julia Malone, Vimoj Nair, Julie Gratton, Shawn Malone The Ottawa Hospital Cancer Centre, Ottawa, ON 33 EFFICACY AND TOXICITY OF STEREOTACTIC BODY RADIATION THERAPY FOR LOCALIZED PROSTATE CANCER: AN ELEVEN YEAR STUDY Alan Katz ¹ , Josephine Kang ² ¹ Flushing Cyberknife, Flushing, NY ² Cornell, New York, NY 34 DOSIMETRIC COMPARISON AND TOXICITY ANALYSIS OF STEREOTACTIC RADIOTHERAPY FOR HIGH-RISK PROSTATE CANCER Laura Callan, Glenn Bauman, Jeff Chen, Michael Lock, Tracy Sexton, David D'Souza, George Rodrigues Western University, London, ON 35 PROSPECTIVE CASE SERIES IN THE USE OF ABDOMINAL AND PELVIC SBRT IN THE CONTEXT OF OLIGO-PROGRESSIVE DISEASE Martin Doak, Rishi Sinha, Shaun Loewen, Robyn Banerjee, Petra Grendarova, Svetlana Kuznetsova University of Calgary, Calgary, AB 36 EVALUATING RESPIRATORY MOTION OF THE BONY THORAX IN THE CONTEXT OF STEREOTACTIC BODY RADIATION THERAPY (SBRT): IS IT NECESSARY? Darby Erler, Ian Poon, Patrick Cheung, Arjun Sahgal, Hany Soliman, Renee Korol University of Toronto, Toronto, ON	Nova Scotia AB

Friday, October 4, 2019

TIME	EVENT	LOCATION
8:00 – 9:00am	<p>CONCURRENT SESSION: Oral Session 4 – Dosimetry and Experimental Therapeutics Moderators: Natalie Logie, Horacio Patrocinio</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Review important dosimetric aspects of radiation treatments; Describe new biomarkers and targets with potential to improve effectiveness of cancer therapy; Understand a new trial methodology in radiotherapy. <p>37 DEVELOPMENT OF AN IN VIVO RADIATION DOSIMETER FOR RADIOTHERAPY Julien Mégrourèche, Jack Sankey, Lilian Childress, Shirin A Enger McGill University, Montréal, QC</p> <p>38 EARLY DOSIMETRIC FINDINGS FROM THE LEARNING FROM ANALYSIS OF MULTICENTRE BIG DATA AGGREGATION (LAMBDA) CONSORTIUM Amanda Caissie¹, Murali Rajaraman¹, Richard Popple², Mary Martel³, Clifton David Fuller³, Peter Balter³, Michelle Mierzwa⁴, Alexander Lin⁵, Ying Xiao⁵, Andrew McDonald², Helen Fong¹, Heping Xu¹, Charles Mayo¹, Amanda Cherpak¹, John Yao⁴ ¹Dalhousie University, Halifax, NS ²University of Alabama at Birmingham, Birmingham, AL ³MD Anderson Cancer Center, Houston, TX ⁴University of Michigan, Ann Arbor, MI ⁵University of Pennsylvania, Philadelphia, PA</p> <p>39 DETERMINATION OF THE IMPACT OF INTRATUMOURAL HETEROGENEITY ON PROGNOSTIC BIOMARKERS IN LOCALIZED PROSTATE CANCER Harry Brastianos¹, Jure Murgic², Adriana Salcedo², Melvin Chua², Alice Meng², Michael Fraser², Michael Brundage¹, Neil Fleshner², Theodoros van der Kwast², Robert Bristow³ ¹Queen's University, Kingston, ON ²University of Toronto, Toronto, ON ³The University of Manchester, Manchester, UK</p> <p>40 CANAGLIFLOZIN, A NEW ANTI-DIABETIC AGENT TARGETING CELLULAR METABOLISM, SUPPRESSES SURVIVAL AND ENHANCES THE RESPONSE OF NON-SMALL CELL LUNG CANCER (NSCLC) TO RADIOTHERAPY Olga-Demetra Biziotis¹, Evangelia-Evelyn Tsakiridis¹, Lindsay Broadfield¹, Thomas Farrell¹, Gabe Menjolian¹, Tammy Mathurin¹, Bassem Mekhaeil¹, Panagiotis Zacharidis¹, Paola Muti¹, Bassam Abdulkarim², Gregory Steinberg¹, Theodoros Tsakiridis¹ ¹McMaster University, Hamilton, ON ²McGill University, Montreal, QC</p> <p>41 PARTNERSHIP INITIATIVE FOR THE EVALUATION OF TECHNICAL INNOVATION IN RADIOTHERAPY (PERA): PILOT PERFORMANCE OF A NOVEL TRIAL METHODOLOGY Cynthia Ménard¹, Philip Wong¹, Marie-Claude Beauchemin¹, Maroie Barkati¹, Guila Delouya¹, Daniel Taussky¹, Jean-Paul Bahary¹, Diane Trudel¹, Tibor Schuster², David Roberge¹ ¹Centre Hospitalier de l'Université de Montréal (CHUM), Montreal, QC ²McGill University, Montréal QC</p>	Nova Scotia CD

Friday, October 4, 2019

TIME	EVENT	LOCATION
8:00 – 9:00am	<p>Oral Session 4 – Dosimetry and Experimental Therapeutics (cont'd)</p> <p>42 CIRCULATING TUMOUR CELLS PREDICT OUTCOME IN TRIMODALITY MANAGEMENT OF ADVANCED NON-METASTATIC ESOPHAGEAL CANCER Edward Yu¹, Alison Allan¹, Michael Sanatani¹, Deb Lewis¹, Andrew Warner¹, Rashid Dar¹, Brian Yaremko¹, Joel Bierer¹, Lori Lowes¹, David Palma¹, Mark Vincent¹, George Rodrigues¹, Dalilah Fortin¹, Richard Incullet¹, Eric Frechette², Jeffery Law¹, Jacques Raphael¹, Jawaid Younus¹, Richard Malthaner¹ ¹Western University, London, ON ²Sherbrooke University, Sherbrooke, QC</p>	Nova Scotia CD
9:00 – 10:00am	<p>CONCURRENT SESSION: Oral Session 5 – Variety Pack Moderators: Paris-Ann Ingledew, Teri Stuckless</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Discuss specific topics in radiation medicine including quality assurance, online resources and palliative radiotherapy. <p>43 USING COMMUNITY CONSULTATION TO MAINTAIN RELEVANCE AND PROMOTE UPTAKE OF THE QUALITY ASSURANCE GUIDELINES FOR CANADIAN RADIATION TREATMENT PROGRAMS: A QUALITY IMPROVEMENT PROCESS Brian Liszewski¹, Erika Brown², Amanda Caissie³ ¹University of Toronto, Toronto, ON ²CPQR, Red Deer, AB ³Dalhousie University, Saint John, NB</p> <p>44 LEARNING ONCOLOGY ONLINE: PATTERNS OF USE OF AN EXPANDING ONLINE RESOURCE FOR MEDICAL STUDENTS Ge Shi¹, Tim Kong¹, Wynn Tran¹, Lisa Wang¹, Paris-Ann Ingledew² ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer Agency, Vancouver, BC</p> <p>45 BUILDING CLINICAL CONSENSUS AND KNOWLEDGE TRANSLATION AND EXCHANGE TO DRIVE QUALITY OF CARE FOR PATIENTS THROUGH THE DEVELOPMENT OF A PROVINCIAL RADIATION TREATMENT FUNDING MODEL Farzana McCallum¹, Eric Gutierrez¹, Julie Himmelman¹, Elaine Meertens¹, Carina Simniceanu¹, Jonathan Wiersma², Entela Zaffino¹, Pdraig Warde¹ ¹Cancer Care Ontario, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p> <p>46 EFFECTIVENESS OF PALLIATIVE HEMOSTATIC RADIOTHERAPY FOR HEMOPTYSIS; A PROSPECTIVE SINGLE ARM OBSERVATIONAL STUDY Ionut Busca, Gaurav Bhattacharya, Kristopher Dennis, Kristopher Attwood, Saif Aljabab, Robert MacRae University of Ottawa, Ottawa, ON</p> <p>47 EFFECT OF AN ELECTRONIC QUALITY CHECKLIST ON PRESCRIPTION PATTERNS OF PROPHYLACTIC ANTIEMETICS AND PAIN-FLARE MEDICATIONS IN THE CONTEXT OF PALLIATIVE RADIOTHERAPY FOR BONE METASTASES Kelly Linden, Marc Gaudet, Julie Renaud, Kristopher Dennis University of Ottawa, Ottawa, ON</p>	Nova Scotia AB

Friday, October 4, 2019

TIME	EVENT	LOCATION
9:00 – 10:00am	<p>Oral Session 5 – Variety Pack (cont'd)</p> <p>48 STEREOTACTIC BODY RADIOTHERAPY FOR NON-SPINE BONE METASTASES: AN INTERNATIONAL SURVEY OF PRACTICE PATTERNS Timothy K Nguyen¹, Arjun Sahgal¹, Lee Chin¹, Chia-Lin Tseng¹, Wietse Eppinga², Matthias Guckenberger³, Jinho Kim⁴, Simon Lo⁵, Kristin Redmond⁶, Siva Shankar⁷, Bradley J Stish⁸ ¹Odette Cancer Centre, Toronto, ON ²University Medical Centre Utrecht, Utrecht, NL ³University of Zurich, Zurich, CH ⁴Seoul National University Hospital, Seoul, KR ⁵Univeristy of Washington School of Medicine, Seattle, WA ⁶Johns Hopkins University School of Medicine, Baltimore, MA ⁷Peter MacCallum Cancer Centre, Melbourne, AU ⁸Mayo Clinic, Rochester, MN</p>	Nova Scotia AB
9:00 – 10:00am	<p>CONCURRENT SESSION: Oral Session 6 – Head and Neck and Breast Cancers Moderators: Maureen Nolan, Erika Wiebe Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Describe important factors associated with the improvement of treatment outcomes for patients with head and neck and breast tumours; Review possible methods to decrease toxicity during radiation therapy for breast and head and neck cancers. <p>49 CINE MRI-BASED ANALYSIS OF INTRAFRACTIONAL MOTION IN RADIATION TREATMENT PLANNING OF HEAD AND NECK CANCER PATIENTS Yonatan Weiss, Lee Chin, Angus Lau, Zain Husain, Kevin Higgins, Danny Enepekides, Antoine Eskander, Ling Ho, Ian Poon, Irene Karam University of Toronto, Toronto, ON</p> <p>50 TREATMENT AND OUTCOMES IN PT4 WELL-DIFFERENTIATED THYROID CARCINOMA Daegan Sit, Waxian Koh, Aria Shokoohi, Eric Tran, Eric Berthelet, Jonn Wu, Robert Olson, Sarah Hamilton University of British Columbia, Vancouver, BC</p> <p>51 PET SCAN ASSESSMENT OF RESPONSE 12 WEEKS POST RADICAL RADIOTHERAPY IN OROPHARYNX HEAD AND NECK CANCER: THE IMPACT OF P16 STATUS Ryan Urban, Tassia Godoy, Robert Olson, Jonn Wu, Eric Berthelet, Eric Tran, Kimberly DeVries, Don Wilson, Sarah Hamilton University of British Columbia, Vancouver, BC</p> <p>52 BREAST TANGENT BEAM ENERGY AND LOCAL CONTROL AFTER BREAST-CONSERVING TREATMENT Alan Nichol¹, Srinivas Raman¹, Pauline Truong², Lovedeep Gondara¹, Caroline Speers¹, Elisa Chan¹, Eric Tran¹, Vincent Lapointe¹, Caroline Lohrsch¹ ¹British Columbia Cancer Agency, Vancouver, BC ²British Columbia Cancer Agency, Victoria, BC</p> <p>53 MICROMETASTATIC (PN1MI) BREAST CANCER: TREATMENT AND OUTCOMES IN COMPARISON TO PNO, PNO(I+) AND PN1A IN THE MODERN ERA Maryam Dosani¹, Sarah Hamilton², Alan Nichol², Caroline Lohrsch², Caroline Speers³, Rekha M Diocee³, Lovedeep Gondara³, Pauline Truong¹ ¹University of British Columbia, Victoria, BC ²University of British Columbia, Vancouver, BC ³British Columbia Cancer Agency, Vancouver, BC</p>	Nova Scotia CD

Friday, October 4, 2019

TIME	EVENT	LOCATION
9:00 – 10:00am	<p>Oral Session 6 – Head and Neck and Breast Cancers (cont'd)</p> <p>56 NUTRITIONAL RISK INDEX IN PATIENTS UNDERGOING CHEMORADIATION THERAPY FOR ORAL CAVITY AND OROPHARYNX CANCER Justin Oh, Eric Tran, Eric Berthelet, Jonn Wu, Rob Olson, Angie Bowman, Cindy Reynolds, Alvin Liu, Sarah Hamilton University of British Columbia, Vancouver, BC</p>	Nova Scotia CD
10:00 – 11:00am	<p>Poster Viewing/Refreshment Break</p>	Halifax Ballroom/NS Foyer
11:00 – 12:00pm	<p>CONCURRENT SESSION: Poster Discussion 1 Moderators: Jeff Cao, Darby Erler Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Discuss a variety of projects and research conducted by various disciplines in radiation oncology across Canada. <p>55 THE ADVANTAGES OF TRUS WHEN COMPARED TO CT PLANNING FOR HDR PROSTATE TREATMENT Héloïse Lavoie-Gagnon, Frederic Lacroix, Eric Poulin, Andre-Guy Martin, Laurie Pilote, Eric Vigneault, William Foster, Louis Archambault Université Laval, Québec, QC</p> <p>93 DON'T BE FAZED BY PHASE II: THE USE OF RANDOMIZED PHASE II TRIALS IN RADIATION ONCOLOGY Adam Mutsaers, Christopher Goodman, Lucas Mendez Western University, London, ON</p> <p>57 LOCAL CONTROL FOLLOWING COMBINATION HYPOFRACTIONATED RADIOTHERAPY AND PEMBROLIZUMAB IN A PHASE II TRIAL OF RECURRENT OR METASTATIC ADENOID CYSTIC CARCINOMA PATIENTS Andrew Bang, Umair Mahmood, Yu-Hui Chen, Raymond H Mak, Jochen H Lorch, Glenn J Hanna, Vishwajith Sridharan, Paul M Busse, Henning Willers, Harvey J Mamon, Hyung-Jin Yoo, Sara I Pai, Lori J Wirth, Robert I Haddad, Nicole G Chau, Jonathan D Schoenfeld Harvard University, Boston, MA</p> <p>58 TARGETING AURORA KINASE TO ENHANCE THE CURATIVE POTENTIAL OF RADIOTHERAPY IN HPV RELATED CANCERS Naz Chaudary¹, Adi Idris², Nigel McMillian², Richard (Dick) Hill¹, Michael Milosevic¹ ¹Princess Margaret Cancer Centre, Toronto, ON ²Griffith University, Gold Coast Campus, Queensland, AU</p> <p>59 EFFECT OF MAGNETIC FIELD DURING RADIOTHERAPY ON DOUBLE-STRAND DNA BREAKS AND CELL PROLIFERATION ON PROSTATE, CERVICAL, AND BREAST CANCER CELLS Deepak Dinakaran¹, Sarah Baker¹, Andrei Ghila¹, Zhigang Jin¹, Michael Hendzel¹, Gino Fallone², Robert Pearcey² ¹University of Alberta, Edmonton, AB ²Cross Cancer Institute, Edmonton, AB</p> <p>60 OPIOID CONSUMPTION AND PAIN IN GYNECOLOGICAL CANCER PATIENTS THAT UNDERWENT SPINAL ANESTHESIA FOR INTERSTITIAL BRACHYTHERAPY Gordon Locke¹, Lucas Mendez², Toni Barnes¹, Amandeep Taggar¹, Laura D'Alimonte¹, Stephen Choi¹, Eric Leung¹ ¹University of Toronto, Toronto, ON ²Western University, London, ON</p>	Nova Scotia AB

Friday, October 4, 2019

TIME	EVENT	LOCATION
11:00 – 12:00pm	<p>Poster Discussion 1 (cont'd)</p> <p>61 TREATMENT OF LOCOREGIONALLY ADVANCED LARYNGEAL CANCER: INSTITUTIONAL OUTCOMES OF PRIMARY SURGERY COMPARED TO PRIMARY RADIATION Mitchell Cooper¹, Laura Callan¹, Tina Zhang¹, Hubert Low², David Yeh¹, Rakhna Araslanova¹, Nancy Read³, David Palma³, Alexander Hammond³, Sarah Kuruvilla³, Eric Winquist³, Danielle MacNeil⁴, Kevin Fung⁴, John Yoo⁴, Anthony Nichols⁴, Varagur Venkatesan³ ¹Western University, London, ON ²University of Sydney, Sydney, AU ³London Regional Cancer Centre Program, London, ON ⁴London Health Sciences Centre, London, ON</p> <p>62 PRE-RADIOTHERAPY PROSTATE CANCER PATIENT EMPOWERMENT PROGRAM (PC-PEP) – RESULTS OF A FEASIBILITY STUDY Gabriela Ilie, Greg Bailly, Ross Mason, David Bell, Ricardo Rendon, Melanie Keats, Scott Grandy, Joseph Lawen Dalhousie University, Halifax, NS</p> <p>63 PROSTATE AND CATHETER MOTION IN PROSTATE HDR BRACHYOTHERAPY: FROM OPERATING ROOM TO SHIELDED DELIVERY VAULT Che Hsuan David Wu, Kundan Thind, Siraj Husain, Elizabeth Watt University of Calgary, Calgary, AB</p> <p>64 AUTOMATIC DEEP LEARNING BASED SEGMENTATION OF BRAIN METASTASIS ON MPRAGE MR IMAGES FOR STEREOTACTIC RADIOTHERAPY PLANNING Allan Fong¹, Nevin McVicar¹, Alan Nichol¹, Carrie-Lynne Swift¹, Jordan Wong¹, Carter Kolbeck² ¹University of British Columbia, Vancouver, BC ²Limbus AI, Toronto, ON</p>	Nova Scotia AB
11:00 – 12:00pm	<p>CONCURRENT SESSION: Poster Discussion 2 Moderators: Jennifer Croke, Brian Liszewski Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Discuss a variety of projects and research conducted by various disciplines in radiation oncology across Canada. <p>66 SALVAGE REIRRADIATION USING EXTERNAL BEAM RADIOTHERAPY FOR LOCAL FAILURE IN PROSTATE CANCER: A SYSTEMATIC REVIEW Mark T Corkum, David D'Souza, Joseph Chin, Gabe Boldt, Lucas C Mendez, Glenn Bauman London Health Sciences Centre, London, ON</p> <p>67 PATIENT ENGAGEMENT: A PAN-CANADIAN SURVEY OF RADIOTHERAPY CENTRES' CURRENT PRACTICES Gabrielle Robin¹, Erika Brown², Carol-Anne Davis³, Louise Bird⁴, Lianne Wilson⁵, Ross Halperin⁶, Michael Brundage⁷, Jennifer Croke⁸ on behalf of CARO Quality and Standards Committee Patient Education/Engagement working group, Amanda Caissie¹ ¹Dalhousie University, Saint John, NB ²Canadian Partnership for Quality Radiotherapy, Red Deer, AB ³Nova Scotia Cancer Centre, Halifax, NS ⁴Wawota, SK ⁵Port Coquitlam, BC ⁶University of British Columbia, Kelowna, BC ⁷Queen's University, Kingston, ON ⁸University of Toronto, Toronto, ON</p>	Nova Scotia CD

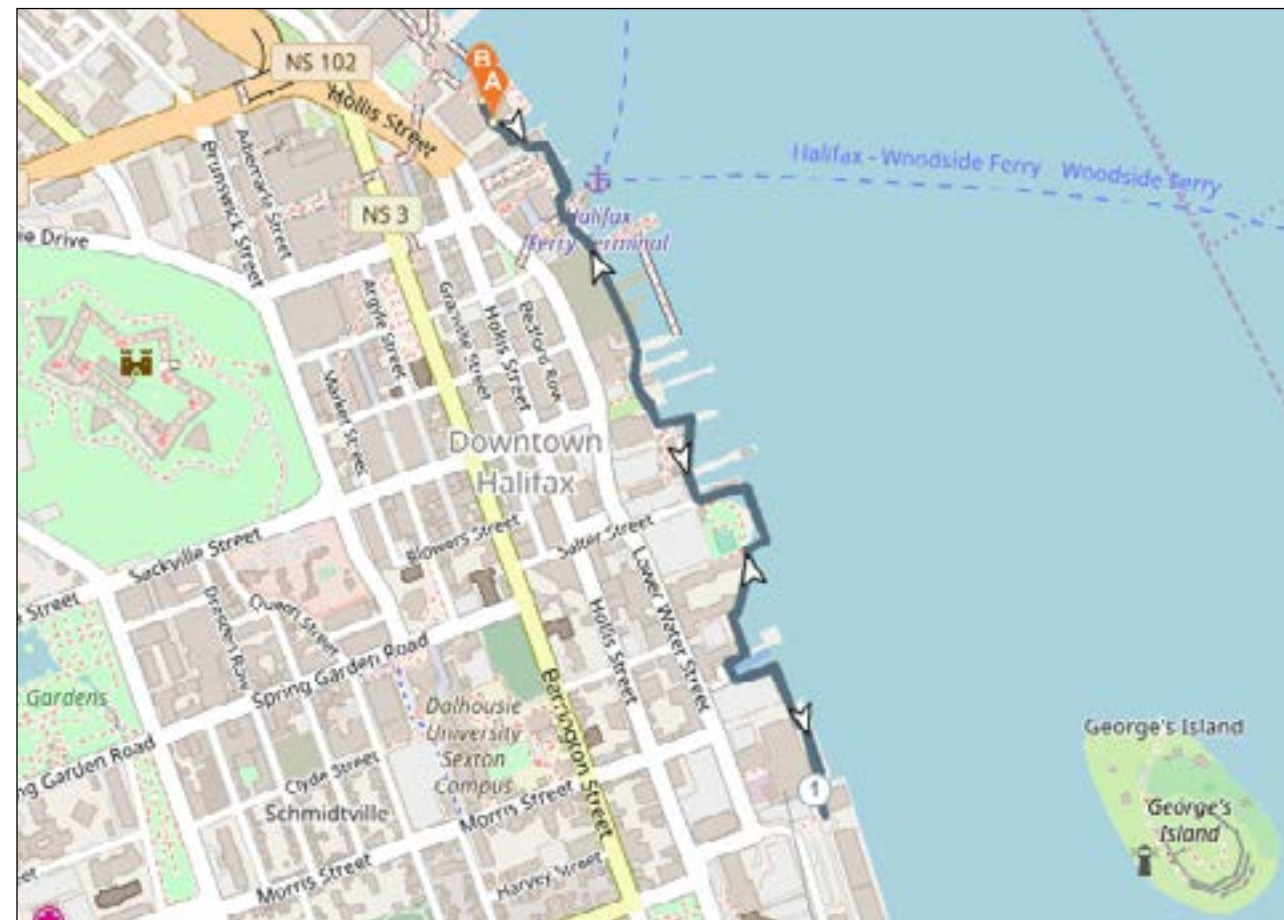
Friday, October 4, 2019

TIME	EVENT	LOCATION
11:00 – 12:00pm	<p>Poster Discussion 2 (cont'd)</p> <p>68 PROVINCIAL VARIATIONS IN RADIOTHERAPY UTILIZATION AS A MEASURE OF ACCESS: A PAN-CANADIAN STUDY Jessica Chan¹, Erika Brown², Kristopher Dennis¹, Ben Slotman³, Michael Brundage⁴ ¹The University of Ottawa, Ottawa, ON ²Canadian Partnership for Quality Radiotherapy, Red Deer, AB ³Amsterdam UMC – Vrije University Medical Center, Amsterdam, NL ⁴Cancer Centre of Southeastern Ontario, Kingston, ON</p> <p>69 OUTCOMES OF ORAL CAVITY SQUAMOUS CELL CARCINOMA PATIENTS UNDER THE AGE OF 40 YEARS: A PROPENSITY MATCHED ANALYSIS Astrid Billfalk-Kelly, Shao Hui Huang, Wei Xu, Lu Lin, Raymond Wu, Andrew Bayley, Scott Brattman, John Cho, Meredith Giuliani, John Kim, Brian O'Sullivan, Jolie Ringash, Aaron Hansen, Jonathan Irish, Eric Monteiro, John de Almeida, David Goldstein, John Waldron, Andrew Hope, Ali Hosni University of Toronto, Toronto, ON</p> <p>70 QUANTIFYING TUMOUR DOSE USING INDIVIDUALIZED DOSIMETRY METHODOLOGY IN 177LU DOTATATE THERAPY Rebecca KS Wong¹, Sten Myrehaug¹, James Brierley¹, David Laidley², Rosalyn Juergens³, Ivan Yeung¹, Stephen Breen¹, Andrea Shessel¹, Brandon Driscoll¹, Troy Farncombe³, Katherine Zukotynski³, Robert Stodilka², Curtis Caldwell¹, Amy ZhuHui Liu¹, John Valliant³, Joe McCann³, Ur Metser¹, Ravi Mohan¹, Jean-Mattieu Beauregard⁴, David Jaffray¹ ¹University of Toronto, Toronto, ON ²Western University, London, ON ³McMaster University, Hamilton, ON ⁴University Laval, Quebec City, QC</p> <p>71 HUMANISM IN GLOBAL ONCOLOGY CURRICULA: AN EMERGING PRIORITY Meredith Giuliani¹, Maria Athina (Tina) Martimianakis¹, Michaela Broadhurst², Janet Papadakos², Erik Driessen³, Janneke Frambach³ ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON ³Maastricht University, Maastricht, NL</p> <p>72 MEDICAL STUDENT EXPOSURE TO RADIATION ONCOLOGY THROUGH THE PRE-CLERKSHIP EXPLORATION PROGRAM (PREP): EFFECT ON CAREER INTEREST AND UNDERSTANDING OF RADIATION ONCOLOGY Sebastian Haupt, Todd Dow, Mike Smyth, J Thomas Toguri, Alysha Roberts, KL Raju, David Bowes Dalhousie University, Halifax, NS</p> <p>73 AN INNOVATIVE LEARNING TOOL FOR RADIOTHERAPY TREATMENT PLAN EVALUATION: IMPLEMENTATION AND EVALUATION Jenna Adleman, Jeff Winter, Andrea McNiven, Jennifer Croke University of Toronto, Toronto, ON</p> <p>74 A NEW PREDICTIVE MODEL OF FUTURE NEED FOR EXTERNAL BEAM RADIATION THERAPY REFLECTING THE LOCAL ENVIRONMENT TO INFORM CANCER CARE SERVICE PLANNING Helmut Hollenhorst¹, Yizhou Zhao¹, Devbani Raha², Ron Dewar² ¹Dalhousie University, Halifax, NS ²Nova Scotia Cancer Care Program, Halifax, NS</p>	Nova Scotia CD

Friday, October 4, 2019

TIME	EVENT	LOCATION
12:00 – 2:00pm	Lunch/Committee Meetings	
2:00 – 3:00pm	CARO Gold Medal and Gordon Richards Lecture Introduction: Ross Halperin From Populations to Patients Scott Tyldesley Objectives: At the end of this session, learners will be able to: • Gain an understanding of the use of outcomes research in cancer care; • Gain an understanding of operations research in cancer care.	Nova Scotia ABCD
3:00 – 3:30pm	Refreshment Break	Nova Scotia Foyer
3:30 – 5:00pm	Annual General Meeting	Nova Scotia CD
5:15 – 6:15pm	CROF Fun Run/Walk Meet at the Sable Foyer exit doors. Lobby level, by the water at 5:00pm!	Waterfront
7:00 – 10:00pm	Dinner and Awards Ceremony Westin Nova Scotian Hotel 1181 Hollis St. (902) 421-1000	Westin Nova Scotian Hotel

CROF Fun Run/Walk Map



Saturday, October 5, 2019

TIME	EVENT	LOCATION
7:00 – 8:00am	Breakfast and Registration	Nova Scotia Foyer
8:00 – 9:00am	CONCURRENT SESSION: Jean Roy Lecture Moderators: Marc Gaudet, Gerard Morton SBRT Should Replace Brachytherapy as the Main Treatment Option for Intermediate Risk Prostate Cancer Andrew Loblaw Thirteen Reasons Why... SBRT is Not Ready to Replace Prostate Brachytherapy Eric Vigneault Objectives: At the end of this session, learners will be able to: • Review the logistics, tolerability, oncologic outcomes for brachytherapy (monotherapy and boost); • Review the logistics, tolerability, oncologic outcomes for stereotactic body radiotherapy (SBRT); • Compare patient selection factors between SBRT and brachytherapy; • Compare salvage treatment options between SBRT and brachytherapy; • Compare the cost savings between SBRT and brachytherapy.	Nova Scotia AB
8:00 – 9:00am	CONCURRENT SESSION: ASRT Lecture Introduction: Gailyne MacPherson Technical Aspects of Proton Therapy Justin B. Pigg Objectives: At the end of this session, learners will be able to: • Learn about the basics of proton beam production; • Explain the differences in proton beam characteristics vs. photon; • Learn about beam delivery methods; • Compare proton treatment plans vs. photon treatment plans.	Nova Scotia CD
9:00 – 10:00am	CONCURRENT SESSION: CBG Oral Session Moderators: Marc Gaudet, Gerard Morton Objectives: At the end of this session, learners will be able to: • Recognize important aspects of treatment planning and delivery of brachytherapy; • Review current practices and outcomes of brachytherapy. 75 PERMANENT BREAST SEED IMPLANT FOR PARTIAL BREAST RADIOTHERAPY FOLLOWING PARTIAL MASTECTOMY FOR FAVORABLE BREAST CANCER: RESULTS FOR 67 PATIENTS Juanita Crook ¹ , Michelle Hilts ¹ , Deidre Batchelar ¹ , Marie-Pierre Milette ¹ , Martin Korzeniowski ² , Laurie Pilote ³ , Jean-Philippe Pignol ⁴ ¹ University of British Columbia, Kelowna, BC ² Queen's University, Kingston, ON ³ University of Laval, Quebec City, QC ⁴ Dalhousie University, Halifax, NS 76 SURVIVAL OUTCOMES AND TOXICITY OF BRACHY THERAPY VERSUS EXTERNAL BEAM BOOST IN THE TREATMENT OF LOCALIZED PROSTATE CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS Jenna Adleman ¹ , Noelia Salgado ¹ , Rouhi Fazelzad ² , Jacques Raphael ³ , Joelle Helou ¹ ¹ University of Toronto, Toronto, ON ² Princess Margaret Cancer Centre, Toronto, ON ³ Western University, London, ON	Nova Scotia AB

Saturday, October 5, 2019

TIME	EVENT	LOCATION
9:00 – 10:00am	<p>CBG Oral Session (cont'd)</p> <p>77 COMPARISON OF HRCTV AND ORGANS AT RISK CONTOURS BETWEEN TRUS AND MR IMAGES IN IB CERVICAL CANCERS: A PROOF OF CONCEPT STUDY Lucas C Mendez¹, Ananth Ravi², Kevin Martell², Hamid Raziee², Yasir Alayed², Toni Barnes², Amandeep Taggar², Shun Wong², Eric Leung² ¹Western University, London, ON ²University of Toronto, Toronto, ON</p> <p>78 ACUTE AND LATE GENITOURINARY TOXICITY AMONG PATIENTS RECEIVING VAGINAL HIGH DOSE RATE INTERSTITIAL BRACHYTHERAPY Adrian Cozma, Kevin Martell, Ananth Ravi, Elizabeth Barnes, Moti Paudel, Eric Leung, Amandeep Taggar University of Toronto, Toronto, ON</p> <p>79 DEGREE OF LVSI IS NOT A RISK FACTOR FOR RECURRENCE IN ENDOMETRIAL CANCER PATIENTS TREATED WITH VAGINAL BRACHYTHERAPY ALONE Elizabeth Barnes, Kevin Martell, Amandeep Taggar, Eric Leung University of Toronto, Toronto, ON</p> <p>80 TOXICITY AND QUALITY OF LIFE RESULTS FROM A RANDOMIZED PHASE II TRIAL OF HDR MONOTHERAPY FOR LOW AND INTERMEDIATE-RISK PROSTATE CANCER Yaser Hasan, Andrew Loblaw, Hans Chung, Merrylee McGuffin, Chia-Lin Tseng, Lucas Mendez, Ananth Ravi, Liying Zhang, Alexandre Mamedov, Gerard Morton Odette Cancer Centre, Toronto, ON</p>	Nova Scotia AB
9:00 – 10:00am	<p>CONCURRENT SESSION: Radiation Therapy Oral Session 2 Moderators: Ali Hosni, Fabio Ynoe de Moraes</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Understand newer approaches to improve treatment planning, patient care and professional collaboration within the specialty of Radiation Oncology. <p>81 DOSE RECONSTRUCTION OF CERVICAL CANCER ADAPTIVE RADIOTHERAPY DELIVERED WITH HYBRID CBCT-MRI GUIDANCE Michael Velec¹, Tony Tadic¹, Jason Xie², Joanne Moseley², Tirth Patel², Michael Milosevic¹, Anthony Fyles¹, Kathy Han¹, Jennifer Croke¹ ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p> <p>82 PAW PATROL TO THE RESCUE! MINIMIZING ANAESTHESIA USE IN PAEDIATRIC RADIATION THERAPY Stephanie Ntoukas, Tatiana Ritchie, Susan Awrey, David C Hodgson, Normand J Laperriere, Derek S Tsang University of Toronto, Toronto, ON</p> <p>83 PALLIATIVE CARE OUTREACH: IMPROVING PALLIATIVE RADIATION THERAPY UTILIZATION IN THE COMMUNITY James Loudon, Natalie Rozanec, Ashley Clement, Rachel Woo, Anne Grant, Judy Murray, Woodrow Wells Southlake Regional Health Centre, Newmarket, ON</p> <p>84 A NEW APPROACH FOR WEEKLY REVIEW ASSESSMENTS Lisa Bourne, Carol-Anne Davis, Ellen Crawley, Raymond Wright, Dorianne Rheaume Dalhousie University, Halifax, NS</p>	Nova Scotia CD

Saturday, October 5, 2019

TIME	EVENT	LOCATION
9:00 – 10:00am	<p>Radiation Therapy Oral Session 2 (cont'd)</p> <p>85 FACULTY DEVELOPMENT NEEDS AND WANTS IN RADIATION MEDICINE Nicole Harnett¹, Emily Milne², Sarah Tosoni², Rebecca Wong¹ ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p> <p>86 A COLLABORATIVE APPROACH TO CARE: MULTIDISCIPLINARY HEAD AND NECK CANCER CLINIC PILOT REVIEW Natasha McMaster¹, Nathan Lamond¹, Lorianne MacLean¹, Terra Thibault¹, Rachel Sullivan¹, Jill Flynn¹, Drew Bethune¹, Lara Best², Helmut Hollenhurst¹ ¹Nova Scotia Cancer Care Program, Halifax, NS ²Dalhousie University, Halifax, NS</p>	Nova Scotia CD
10:00 – 10:30am	Refreshment Break	
10:30 – 12:00pm	<p>CROF Public Engagement Halifax Central Library, Paul O'Regan Hall 5440 Spring Garden Road</p>	Paul O'Regan Hall
10:30 – 12:00pm	<p>CONCURRENT SESSION: Workshop 1 International Collaborative Efforts to Increase Quality of Radiotherapy Care Through Capture and Use of Standardized Data John Kildea</p> <p>Objectives:</p> <ul style="list-style-type: none"> Understand how CPQR initiatives are contributing to our ability to collect Big Data: <ul style="list-style-type: none"> a) Canadian Big Radiation Treatment Data Initiative (CBRTDI) supporting use of common nomenclature (ex TG263) as an initial step. Patient Reported Outcomes (PRO) supporting use of radiation treatment, disease site specific PRO measures such as the CPQR-endorsed MDASI-HN. Appreciate how harnessing Big Data can help facilitate regional, national and international initiatives using patient outcome data to improve patient care and radiation quality. Discuss barriers and facilitators of standardized treatment planning and PRO use in RT. Understand how local centres can get started. 	Nova Scotia AB
10:30 – 12:00pm	<p>CONCURRENT SESSION: Workshop 2 Grassroots Initiative for Conducting Radiotherapeutic RCTs in Canada David Palma, Tamim Niazi, Houda Bahig, Cynthia Menard</p> <p>Objectives:</p> <ul style="list-style-type: none"> Understand the importance and unmet need for RCTs in radiotherapy. Compare the landscape of grassroots initiatives to address this unmet need. Recognize the challenges and opportunities associated with each initiative. Discuss competing and complementary strategies with cooperative groups activities (CCTG, NRG, etc). 	Nova Scotia CD
10:30 – 12:00pm	<p>CONCURRENT SESSION: Workshop 3 Wellness in Radiation Oncology: Overcoming the Paradox Jennifer Croke, David Bowes, Hannah Dahn, Indu Voruganti</p> <p>Objectives:</p> <ul style="list-style-type: none"> To recognize the risk factors and signs of burnout. To discuss initiatives that can be incorporated into a department to support and enhance wellness. To develop strategies to find or become an effective mentor. 	Sable BCD

Saturday, October 5, 2019

TIME	EVENT	LOCATION
12:00 – 1:00pm	<p>Reviewer's Choice Moderators: Fabio Cury, Ross Halperin</p> <p>Objectives: At the end of this session, learners will be able to:</p> <ul style="list-style-type: none"> Understand a variety of interesting and select topics of radiation therapy innovations, and how they impact our cancer population; Describe the results of innovative and practice-changing research done by Canadian peers. <p>87 HIGH DOSE-RATE BRACHYTHERAPY AS MONOTHERAPY FOR PROSTATE CANCER: ONE FRACTION MAY NOT BE ENOUGH Gerard Morton¹, Merrylee McGuffin¹, Hans Chung¹, Eric Tseng¹, Lucas Mendez², Yaser Hasan¹, Ananth Ravi¹, Liying Zhang¹, Andrew Loblaw¹ ¹University of Toronto, Toronto, ON ²Western University, London, ON</p> <p>88 RADIOTHERAPY VERSUS TRANS-ORAL ROBOTIC SURGERY FOR OROPHARYNGEAL SQUAMOUS CELL CARCINOMA: RESULTS OF A RANDOMIZED TRIAL David Palma¹, Julie Theurer¹, Eitan Prisman², Nancy Read¹, Eric Berthelet², Eric Tran², Kevin Fung¹, John de Almeida³, Andrew Hope³, David Goldstein³, Michael Hier⁴, Khalil Sultanem⁴, Keith Richardson⁴, Alex Mlynarek⁴, Suren Krishnan⁵, Hien Le⁵, John Yoo¹, Danielle MacNeil¹, Eric Winqvist¹, Alex Hammond¹, Varagur Venkatesan¹, Sara Kuruvilla¹, Andrew Warner¹, Sylvia Mitchell¹, Jeff Chen¹, Martin Corsten⁶, Stephanie Johnson-Obaseki⁶, Libni Eapen⁶, Michael Odell⁶, Christina Parker¹, Bret Wehrli¹, Keith Kwan¹, Anthony Nichols¹ ¹Western University, London, ON ²University of British Columbia, Vancouver, BC ³University of Toronto, Toronto, ON ⁴McGill University, Montreal, QC ⁵University of Adelaide, Adelaide, AU ⁶Ottawa University, Ottawa, ON</p> <p>89 A BIOCHEMICAL DEFINITION OF CURE FOLLOWING BRACHYTHERAPY OF PROSTATE CANCER Juanita Crook¹, Steven Frank², Chad Tang², Howard Thames², Pierre Blanchard³, Jeremiah Sanders², Jay Ciezki⁴, Mira Keyes⁵, Gregory Merrick⁶, Hamid Razlee⁷, Charles Catton⁷ ¹University of British Columbia, Kelowna, BC ²University of Texas, Houston, TX ³Institut Gustave Roussy, Villejuif, FR ⁴Cleveland Clinic, Cleveland, OH ⁵University of British Columbia, Vancouver, BC ⁶Schiffler Cancer Center, Wheeling, WV ⁷University of Toronto, Toronto, ON</p> <p>90 ACURA ULTRA-HYPO (UHF) COMPARED TO MODERATE-HYPO (MHF) FRACTIONATED PROSTATE IGRT WITH HDR BRACHYTHERAPY BOOST: LONG TERM TOXICITY, ACCEPTABILITY AND EFFICIENCY OF DELIVERY André-Guy Martin¹, Damien Carignan², William Foster¹, Eric Vigneault¹, Marie-Claude Lavallée¹, Bernard Lachance¹, Éric Poulin¹, Frédéric Lacroix¹, Sylviane Aubin¹, Philippe Després¹, Luc Beaulieu¹ ¹CHU de Québec Université Laval, Québec, QC ²Université Laval, Québec, QC</p>	Nova Scotia CD

Saturday, October 5, 2019

TIME	EVENT	LOCATION
12:00 – 1:00pm	<p>Reviewer's Choice (cont'd)</p> <p>91 QUALITY OF LIFE OUTCOMES AFTER STEREOTACTIC ABLATIVE RADIOTHERAPY (SABR) VERSUS STANDARD OF CARE PALLIATIVE TREATMENTS: A SECONDARY ANALYSIS OF THE SABR-COMET RANDOMIZED TRIAL Robert Olson¹, Suresh Senan², Stephen Harrow³, Stewart Gaede⁴, Alexander Louie⁵, Niels Haasbeek², Liam Mulroy⁶, Michael Lock⁴, George Rodrigues⁴, Brian Yaremko⁴, Devin Schellenberg¹, Belal Ahmad⁴, Gwendolyn Griffioen², Sashendra Senthil⁷, Anand Swaminath⁴, Neil Kopek⁸, Mitchell Liu¹, Karen Moore³, Suzanne Currie³, Glenn Bauman⁴, Andrew Warner⁴, David Palma⁴ ¹University of British Columbia, Vancouver, BC ²VU University Medical Center, Amsterdam, NL ³Beatson West of Scotland, Glasgow, UK ⁴London Health Sciences Centre, London, ON ⁵University of Toronto, Toronto, ON ⁶Nova Scotia Cancer Centre, Halifax, NS ⁷Alfred Hospital, Melbourne, AU ⁸McGill University, Montreal, QC</p> <p>92 IS SABR COST-EFFECTIVE IN OLIGOMETASTATIC CANCER? AN ECONOMIC ANALYSIS OF SABR-COMET Melody Qu¹, Yujie Chen², Gregory Zaric², Suresh Senan³, Robert Olson⁴, Stephen Harrow⁵, Ava John-Baptiste², Stewart Gaede¹, Liam Mulroy⁶, Devin Schellenberg⁷, Sashendra Senthil⁸, Anand Swaminath⁹, Neil Kopek¹⁰, Mitchell Liu¹¹, Andrew Warner¹, George Rodrigues¹, David Palma¹, Alexander Louie¹² ¹London Health Sciences Centre, London, ON ²Western University, London, ON ³VU University Medical Center, Amsterdam, NL ⁴British Columbia Cancer Agency, Prince George, BC ⁵Beatson West of Scotland Cancer Centre, Glasgow, UK ⁶Nova Scotia Cancer Centre, Halifax, NS ⁷British Columbia Cancer Agency, Surrey, BC ⁸Alfred Hospital, Melbourne, AU ⁹Juravinski Cancer Centre, Hamilton, ON ¹⁰McGill University Health Centre, Montreal, QC ¹¹British Columbia Cancer Agency, Vancouver, BC ¹²Sunnybrook Health Science Centre, Toronto, ON</p>	Nova Scotia CD
1:00 – 1:15pm	<p>Closing Remarks Fabio Cury, Meredith Giuliani</p>	Nova Scotia CD

Poster Abstracts

NO.	DESCRIPTION
94	CAREGIVER BURDEN FOR INFORMAL CARERS OF PATIENTS UNDERGOING RADIOTHERAPY FOR MALIGNANCY: A SYSTEMATIC REVIEW Adam Mutsaers, Gabriel Boldt, Andrew Pritchard, Joanna Laba Western University, London, ON
95	DOSIMETRIC COMPARISON OF HDR BRACHYTHERAPY AND VMAT FOR ACCELERATED PARTIAL BREAST IRRADIATION (APBI) Andrée-Anne Bernard, Chrystian Quintero Mateus, Toni Vu, Robert Doucet, Israël Fortin Université de Montréal, Montreal, QC
96	DOES FREE NICOTINE REPLACEMENT THERAPY LEAD TO IMPROVED SMOKING CESSATION RATES IN CANCER PATIENTS? RESULTS OF A PILOT STUDY Andrew Arifin ¹ , Laura McCracken ¹ , Stacie Nesbitt ¹ , Andrew Warner ¹ , Robert Dinniwel ¹ , David Palma ¹ , Alexander Louie ² ¹ Western University, London, ON ² University of Toronto, Toronto, ON
97	LUNG STEREOTACTIC ABLATIVE RADIOTHERAPY FOLLOWING PNEUMONECTOMY: A SYSTEMATIC REVIEW OF CLINICAL AND TOXICITY OUTCOMES Andrew Arifin ¹ , Faiez Al-Shafa ¹ , R Gabriel Boldt ¹ , Andrew Warner ¹ , George Rodrigues ¹ , David Palma ¹ , Alexander Louie ² ¹ Western University, London, ON ² University of Toronto, Toronto, ON
98	A REVIEW OF CURRENT STEREOTACTIC ABLATIVE RADIOTHERAPY CLINICAL TRIALS FOR OLIGOMETASTATIC CANCERS Andrew Arifin ¹ , Faiez Al-Shafa ¹ , George B Rodrigues ¹ , David A Palma ¹ , Alexander V Louie ² ¹ Western University, London, ON ² University of Toronto, Toronto, ON
99	SERUM CYTOKINE PROFILING AS A POTENTIAL BIOMARKER IN INTERMEDIATE RISK PROSTATE CANCER: AN EXPLORATORY STUDY Aruz Mesci, Stanley Liu, Hans Chung University of Toronto, Toronto, ON
100	REAL WORLD UTILIZATION OF INTERMITTENT ANDROGEN DEPRIVATION THERAPY (IADT) FOR CASTRATION SENSITIVE METASTATIC PROSTATE CANCER IN MANITOBA Bryan Janzen ¹ , Makoy Penner ² , Aldrich Ong ¹ , Rashmi Koul ¹ , Bashir Bashir ¹ , William Hunter ¹ , Darrel Drachenberg ¹ , Jeff Saranchuk ¹ , Jasmir Nayak ¹ , Oliver Bucher ¹ , Julian Kim ¹ ¹ University of Manitoba, Winnipeg, MB ² Canadian Mennonite University, Winnipeg, MB
101	RE-IRRADIATION FOR CHILDREN WITH RECURRENT SUPRATENTORIAL HIGH-GRADE GLIOMA Carol Oliveira ¹ , Normand J. Laperriere ² , Eric Bouffet ² , Cynthia Hawkins ² , Vijay Ramaswamy ² , Ryan Yee ² , Uri Tabori ² , Ute Bartels ² , Annie Huang ² , Barbara-Ann Millar ² , Bruce Crooks ³ , Lynette Bowes ⁴ , Shayna Zelcer ⁵ , Derek S Tsang ² ¹ Queen's University, Kingston, ON ² University of Toronto, Toronto, ON ³ Dalhousie University, Halifax, NS ⁴ Memorial University of Newfoundland, St. John's, NL ⁵ Western University, London, ON
102	THE ONCOLOGY RESEARCH INTERNSHIP (ORION): A MUTUALLY BENEFICIAL PILOT PROGRAM FOR MEDICAL STUDENTS FACILITATED BY RESIDENT RESEARCH SUPERVISORS Christopher Goodman ¹ , David Palma ¹ , Joanna Laba ¹ , Gabe Boldt ¹ , Andrew Arifin ¹ , Vikram Velker ¹ , Alexander Louie ² , Glenn Bauman ¹ , Timothy Nguyen ² ¹ Western University, London, ON ² University of Toronto, Toronto, ON

Poster Abstracts

NO.	DESCRIPTION
103	PATTERNS OF RECURRENCE AND PREDICTORS OF SURVIVAL IN BREAST CANCER PATIENTS TREATED WITH NEOADJUVANT CHEMOTHERAPY, SURGERY AND RADIATION Dana Keilty, Shirin Namini, Monali Swain, Manjula Maganti, Tulin Cil, David McCready, David Cescon, Eitan Amir, Rachel Fleming, Anna Marie Mulligan, Wilfred Levin, Fei-Fei Liu, Jennifer Croke, Anthony Fyles, Anne Koch, Kathy Han University of Toronto, Toronto, ON
104	RETROSECTIVE ANALYSIS OF OUTCOMES OF CYBERKNIFE RADIATION THERAPY TO LIVER Elaine Liu, Graham Cook University of Ottawa, Ottawa, ON
105	CYBERKNIFE STEREOTACTIC RADIOSURGERY FOR TREATMENT OF BENIGN INTRACRANIAL MENINGIOMA: LONG-TERM SAFETY AND EFFICACY Eric Nguyen, Gregory Pond, Jeffrey Greenspoon, Anthony Whitton, Crystal Hann McMaster University, Hamilton, ON
106	"RESILIENCE BY DESIGN" – DESCRIPTION OF A PILOT RADIATION ONCOLOGY WELLNESS PROGRAM Hannah Dahn, Carolyn Thomson, David Bowes, Gabriela Ilie, Rob Rutledge Dalhousie University, Halifax, NS
107	AN ESCAPE ROOM AS A NOVEL MULTIPLE MINI INTERVIEW (MMI) STATION FOR RADIATION ONCOLOGY RESIDENT SELECTION Hannah Dahn, Trisha Daigle-Maloney, Karen Watts, Lara Best, David Bowes Dalhousie University, Halifax, NS
108	INDIVIDUALIZED DOSE-ESCALATION OF HDR PROSTATE BRACHYTHERAPY IMPLANT TO DECREASE REQUIRED EXTERNAL BEAM RADIATION DOSE: A RETROSPECTIVE FEASIBILITY STUDY Hannah Dahn, Patricia Oliver, Stefan Allen, Amanda Cherpak, Alasdair Syme, Nikhilesh Patil, David Bowes Dalhousie University, Halifax, NS
109	ATTITUDES TOWARDS RESEARCH DURING RADIATION ONCOLOGY RESIDENCY TRAINING: A SURVEY OF CANADIAN RADIATION ONCOLOGY RESIDENTS AND PROGRAM DIRECTORS Hannah Dahn, Lara Best, David Bowes Dalhousie University, Halifax, NS
110	WELL-MED: A MULTIDISCIPLINARY APPROACH TO SUPPORTING RADIATION ONCOLOGY WELLNESS Indu Voruganti, Ida Ackerman, Barbara-Ann Millar, Matthew Follwell, Jennifer Croke University of Toronto, Toronto, ON
111	ROBUSTNESS OF THE PHOENIX BIOCHEMICAL FAILURE DEFINITION 10 YEARS AFTER COMPLETING DOSE ESCALATED RADIOTHERAPY IN A COHORT OF INTERMEDIATE RISK PROSTATE CANCER PATIENTS Ghufran Aljawi, Ionut Busca, Robert MacRae, Libni Eapon University of Ottawa, Ottawa, ON
112	WHEN BIOCHEMICAL FAILURE DOES NOT MEAN CANCER RECURRENCE IN MEN TREATED BY EXTERNAL BEAM RADIOTHERAPY AND ADJUVANT HORMONES FOR INTERMEDIATE RISK PROSTATE CANCER Ionut Busca, Ghufran Aljawi, Robert MacRae, Libni Eapon University of Ottawa, Ottawa, ON
113	OUTCOME COMPARISON BETWEEN EARLY STAGE ADENOCARCINOMA AND SQUAMOUS CELL CARCINOMA LUNG CANCERS TREATED WITH STEREOTACTIC BODY RADIATION THERAPY Jack Zheng, Ritika Hinduja, Jason Pantarotto, Graham Cook, Vimoj Nair, Robert MacRae University of Ottawa, Ottawa, ON
114	STEREOTACTIC BODY RADIOTHERAPY THERAPY FOR RECURRENT HEAD AND NECK CANCERS: DOSIMETRIC STUDY BETWEEN 3 DIFFERENT RADIATION MODALITIES Jack Zheng, Julie Gratton, Greg Fox, Benoit Ladouceur, Jamie Bahm, Eric Vandervoort, Robert Zohr, Marc Gaudet University of Ottawa, Ottawa, ON

Poster Abstracts

NO.	DESCRIPTION
115	<p>OPTIMAL HYPOFRACTIONATED RECTAL DOSE-VOLUME CONSTRAINT FROM THE PROSTATE CANCER PATIENTS OF THE PCS V TRIAL James Man Git Tsui¹, Julia Khriouian¹, Michael Jonathan Kucharczyk², Abdenour Nabid³, Redouane Bettahar⁴, Linda Suzanne Vincent⁵, Andre-Guy Martin⁶, Marjory Jolicoeur⁷, Michael Yassa⁸, Maroie Barkati⁹, Levon Igidbashian¹⁰, Boris Bahoric², Robert Archambault¹¹, Hugo Villeneuve¹², Md Mohiuddin¹³, Tamim M. Niazi¹</p> <p>¹McGill University Health Centre, Montreal, QC ²Jewish General Hospital, Montreal, QC ³Centre Hospitalier Universitaire de Sherbrooke, Sherbrooke, QC ⁴CSSS Rimouski-Neigette, Rimouski, QC ⁵Pavillon Ste-Marie Centre hospitalier régional de Trois-Rivières (CHRTR), Trois-Rivières, QC ⁶Cancer Research Centre, University of Laval, Quebec, QC ⁷Hopital Charles-LeMoine, Longueuil, QC ⁸Maisonneuve-Rosemont Hospital, Montreal, QC ⁹Centre Hospitalier de l'Université de Montréal, Montreal, QC ¹⁰Hopital de la Cite-de-la-Sante, Laval, QC ¹¹Hôpital de Gatineau, Gatineau, QC ¹²CSSS de Chicoutimi, Chicoutimi, QC ¹³Saint John Regional Hospital, Saint John, NB</p>
116	<p>RADIOTHERAPY AND CARDIOVASCULAR IMPLANTABLE ELECTRONIC DEVICES – AN EVIDENCE-BASED GUIDELINE AT MCGILL UNIVERSITY James Man Git Tsui¹, Daniel Garcia¹, Michelle Samuel¹, Alexandre Riopel², Benjamin Royal-Preyra¹, Victor Matassa¹, Martin Louis Bernier¹, Joanne Alfieri¹</p> <p>¹McGill University Health Centre, Montreal, QC ²University of Ottawa, Ottawa, ON</p>
117	<p>HOW EFFECTIVE IS ADJUVANT RADIOTHERAPY IN THE MANAGEMENT OF STAGE I HIGH-RISK ENDOMETRIAL CANCER? Jiheon Song, Tien Le, Marc Gaudet, Choan E, Krystine Lupe, Rajiv Samant University of Ottawa, Ottawa, ON</p>
118	<p>DOSE-SPARING EFFECT OF DEEP INSPIRATION BREATH HOLD TECHNIQUE ON CORONARY ARTERY AND LEFT VENTRICLE SEGMENTS Jiheon Song, Jason Belec, Jean-Michel Caudrelier, Patricia Lacasse, Ghada Aldosary, Vimoj Nair University of Ottawa, Ottawa, ON</p>
119	<p>AGE AS AN INDEPENDENT PREDICTIVE FACTOR FOR SURVIVAL OUTCOMES IN PRIMARY CNS LYMPHOMA: A REVIEW FROM TERTIARY INSTITUTION Jiheon Song, Rajiv Samant, Xin Yan Fan, Mohammad Jay, Hina Chaudry, David MacDonald, Isabelle Bence-Bruckler, Vimoj Nair University of Ottawa, Ottawa, ON</p>
120	<p>AN UPDATE ON TREATMENT OF INTERMEDIATE-RISK ENDOMETRIAL CANCER USING MINIMALLY INVASIVE SURGERY AND ADJUVANT RADIOTHERAPY Jiheon Song, Tien Le, Marc Gaudet, Choan E, Krystine Lupe, Rajiv Samant University of Ottawa, Ottawa, ON</p>
121	<p>PALLIATIVE CRANIAL IRRADIATION IMPROVES SURVIVAL IN PRIMARY CNS LYMPHOMA PATIENTS INELIGIBLE FOR SYSTEMIC THERAPY Jiheon Song, Rajiv Samant, Xin Yan Fan, Mohammad Jay, Hina Chaudry, David MacDonald, Isabelle Bence-Bruckler, Vimoj Nair University of Ottawa, Ottawa, ON</p>
122	<p>A COMPARISON OF RADIATION TECHNIQUES IN PATIENTS TREATED WITH CONCURRENT CHEMORADIATION FOR STAGE III NON-SMALL CELL LUNG CANCER Jonathan Peng, Elysia Donovan, Peter Ellis, Greg Pond, Anand Swaminath McMaster University, Hamilton, ON</p>

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