

Canadian Association of Radiation Oncology
Annual Scientific Meeting (CARO ASM)
September 11-14, 2024

Preparing for the Future: Resilience of Self and System

Overall Conference Objectives

- Discover the latest advances in radiation oncology research and impact on clinical care and education
- Understand relevant and current emergency situations faced by radiotherapy departments and promote preparedness and management strategies
- Discuss factors that contribute to inequities and disparities in care within Canadian radiation oncology and develop strategies to promote equitable access to care
- Develop and promote strategies for workforce retention and recruitment in radiation oncology
- Describe best practices related to the delivery of high-quality and safe radiotherapy

PROGRAM

Last update: June 9, 2024

Wednesday September 11, 2024

7:00-4:00

Resident Refresher Course

Facilitator: Sarah Hamilton

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

- Review the principles of management and the role of radiotherapy in anal cancer and esophageal cancer.
- Review the management of brain metastases.
- Explore the evidence, indications and planning approach for spine stereotactic ablative radiotherapy.
- Develop a radiotherapy treatment plan evaluation approach.

SBRT Spine

Mitchell Liu

Brain Metastases

Justin Oh

Anal Canal

Shilo LeFresne

Esophageal Cancer

Emma Dunne

Planning Evaluation

Jennifer Croke, Jeff Winter

Thursday September 12, 2024

7:00-8:00

Registration and Breakfast
Exhibit Hall

8:00-8:15

Welcome and Introductions
David Roberge
Jennifer Croke

8:15-9:45

Theme Symposium - Resilience of Self and System - True Stories and Lessons Learned
Moderators: Donna Laio, George Rodrigues

Wellness and Resilience of Self
Mira Keyes

Improving Access to Radiotherapy: The Ongoing Relevance of In-person Outreach
Marc Gaudet

Managing Radiotherapy During Unplanned Events
Laura D'Alimonte

Repository for Radiotherapy Plans in Times of Unplanned Events
Jean-Pierre Bissonnette

9:45-10:30

Refreshment Break

10:30-11:15

CARO Lecture
Moderators:

Title:

Speaker: Curtiland Deville

11:15-11:30

Question & Answer Period

11:30-12:30

Resident Competition
Moderator: Curtiland Deville

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

- Describe the top ranked resident research projects in radiation medicine across Canada.

- Describe the latest radiation oncology taking place in Canada by radiation oncology residents.

1

PSMA MRI GUIDED PROSTATE SBRT: ACUTE TOXICITY AND EARLY RESULTS FROM THE ARGOS-CLIMBER PHASE I/II TRIAL

Sherif Ramadan¹, Andrew Loblaw², Aneesh Dhar¹, Hatim Fakir³, Lucas Mendez¹, Matt Wronski⁴, John Conyngham¹, Zahra Kassam⁵, Vivian S Tan¹, Priscila Crivellaro⁵, Aaron Ward¹, Jonathan Thiessen¹, Ting-Yim Lee¹, David Laidley¹, Glenn Bauman¹

¹Western University, London, ON

²University of Toronto, Toronto, ON

³London Health Sciences Centre, London, ON

⁴Sunnybrook-Odette Cancer Centre, Toronto, ON

⁵St. Joseph's Health Care, London, ON

2

MEASURING THE INTEGRATION OF STEREOTACTIC ABLATIVE RADIOTHERAPY PLUS SURGERY FOR EARLY-STAGE NON-SMALL CELL LUNG CANCER (MISSILE): LONG-TERM CLINICAL OUTCOMES

Vivian S Tan, Rohann J M Correa, Timothy K Nguyen, Alexander V Louie, Richard A Malthaner, Dalilah Fortin, George B Rodrigues, Brian P Yaremko, Joanna M Laba, Keith Kwan, Stewart Gaede, Ting Lee, Aaron D Ward,

Andrew Warner, Richard I Inculet, David A Palma

Western University, London, ON

3

IMPACTS OF INTRAFRACTION VIRTUAL REALITY-BASED ENVIRONMENT MODIFICATION ON PROCEDURAL ANXIETY, HEART RATE, AND EXTERNAL BEAM RADIOTHERAPY EXPERIENCE

Conley Kriegler¹, Brock Debenham¹, Michael Zhu¹, Michael Piva¹, Michelle Bernardo¹, Tina Karim¹, Amanda Bylhouwer¹, Giselle Tucker Belliveau¹, Benjamin Merrick¹, Mustafa Al Balushi²

¹University of Alberta, Edmonton, AB

²Harvard University, Boston, MA

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TREATMENT TOXICITY AND OUTCOMES FOLLOWING DEFINITIVE RADIOTHERAPY FOR PATIENTS WITH EARLY-STAGE NON-SMALL CELL LUNG CANCERS AND PRE-EXISTING INTERSTITIAL LUNG DISEASE: A SYSTEMATIC REVIEW

George J Li¹, Melissa Sam Soon², Hanbo Chen¹, Gabriel Boldt³, Houda Bahig⁴, Patrick Cheung¹, David A Palma³, Christopher J Ryerson⁵, Suresh Senan⁶, Alexander V Louie¹

¹University of Toronto, Toronto, ON

²University of Ottawa, Ottawa, ON

³London Health Sciences Centre, London, ON

⁴Centre Hospitalier de l'Université de Montréal, Montréal, QC

⁵University of British Columbia, Vancouver, BC

⁶Amsterdam University Medical Center, Amsterdam, NL

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TWENTY-YEAR RETROSPECTIVE REVIEW OF ADJUVANT TREATMENT OF STAGE I-II SEROUS
ENDOMETRIAL CARCINOMA AT A SINGLE CANADIAN INSTITUTION

Aquila Akingbade¹, François Fabi², Rodrigo Cartes³, James Tsui³, Joanne Alfieri³

¹London Health Sciences Centre, London, ON

²McGill University, Montréal, QC

³McGill University Health Centre, Montréal, QC

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HPV-SEQ IS PROGNOSTIC IN P16-POSITIVE OROPHARYNGEAL CANCER (OPC): INDEPENDENT VALIDATION
IN A LARGE PROSPECTIVE COHORT AND A SECONDARY ANALYSIS OF NRG-HN002

Eric Stutheit-Zhao², Jonathan Harris¹, Jinfeng Zou³, Zhen Zhao³, Yangqiao Zheng³, Shlomo A Koyfman⁴,
Jason W Chan⁵, Mark W McDonald⁶, Pencilla Lang⁷, Dukagjin M Blakaj⁸, Robyn Banerjee⁹, Melissa
Young¹⁰, Shao Hui Huang³, Kathy Han³, John N Waldron³, Pedro Torres-Saavedra¹, Richard C Jordan⁵,
Quynh-Thu Le¹¹,

Sue S Yom⁵, Scott V. Bratman³

¹NRG Oncology, Philadelphia, PA

²University of Toronto, Toronto, ON

³University Health Network, Toronto, ON

⁴Cleveland Clinic, Cleveland, OH

⁵University of California San Francisco, San Francisco, CA

⁶Emory University, Atlanta, GE

⁷London Health Sciences Centre, London, ON

⁸Ohio State University Medical Centre, Columbus, OH

⁹Tom Baker Cancer Centre, Calgary, AB

¹⁰Yale School of Medicine, New Haven, CT

¹¹Stanford University, Stanford, CA

12:30-2:30

Lunch

Visit Exhibit Hall

Committee Meetings

12:45-1:45

Women in Radiation Medicine

Title:

Speaker:

2:00-3:00

Poster Viewing Session 1

3:00-4:00

Oral Session 1 – Population Science, Health Services, Quality and Safety

Moderators:

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EVALUATING PHYSICIAN AND ARTIFICIAL INTELLIGENCE CHATBOT RESPONSES TO CANCER QUESTIONS
FROM AN ONLINE SOCIAL MEDIA FORUM

David Chen¹, Rod Parsa², Andrew Hope¹, Breffni Hannon¹, Ernie Mak¹, Lawson Eng¹, Fei-Fei Liu¹, Nazanin Fallah-Rad¹, Ann Heesters¹, Srinivas Raman¹

¹University of Toronto, Toronto, ON

²McMaster University, St. Catharines, ON

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CHARACTERIZING BREAST CANCER CASES FROM THE YUKON REFERRED FOR TREATMENT IN BRITISH COLUMBIA

Kaylie Willemsma, Jonathan Simkin, Emily Jackson, Ying Wang, Andrew Bang, Jessica Chan
University of British Columbia, Vancouver, BC

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HOW PRAGMATIC ARE PRAGMATIC RANDOMIZED CONTROL TRIALS IN ONCOLOGY? A SYSTEMATIC REVIEW

Sympascho Young¹, Kiran Phaterpekar², Aruni Jayatilaka¹, Gabriel Boldt¹, David Palma¹, Glenn Bauman¹

¹Western University, London, ON

²University of British Columbia, Vancouver, BC

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ONTARIO HEALTH-CANCER CARE ONTARIO RE-IRRADIATION SYMPOSIUM WEBINAR: A PROVINCIAL INITIATIVE TO ENHANCE QUALITY AND SAFETY IN RADIATION TREATMENT

Brian Liszewski¹, Kristin Berry¹, Timothy P. Hanna², Kyle Malkoske³, Laura D'Alimonte⁴, Jason Pantarotto¹, Eric Gutierrez¹, Julie Kraus¹, Angelica Ramprashad¹

¹Ontario Health, Toronto, ON

²Cancer Centre of Southeastern Ontario, Kingston, ON

³Simcoe-Muskoka Regional Cancer Program, Barrie, ON

⁴Windsor Regional Cancer Centre, Windsor, ON

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PATIENT-REPORTED OUTCOMES IN RADIATION ONCOLOGY: HARNESSING THE CANADIAN DEPARTMENTS' VOICES TO UNDERSTAND UTILIZATION, CHALLENGES AND FUTURE OPPORTUNITIES

Abdulla Al-Rashdan¹, Lisa Barbera², Amanda Caissie¹, Jennifer Croke³, Robert Olson⁴, Tarek Hijal⁵, Rashmi Koul⁶, Teri Stuckless⁷, Christiaan Stevens³, Asim Amjad⁸, Gurav Bahl⁹, Marie-Andrée Fortin¹⁰, Medhat El-Mallah³, Trisha Daigle-Maloney¹¹, Michael Brundage¹²

¹Dalhousie University, Ottawa, ON

²University of Calgary, Calgary, AB

³University of Toronto, Toronto, ON

⁴University of British Columbia, Prince George, BC

⁵McGill University, Montréal, QC

⁶University of Manitoba, Winnipeg, MB

⁷Memorial University of Newfoundland and Labrador, St John's, NL

⁸University of Saskatchewan, Regina, SK

⁹University of British Columbia, Abbotsford, BC

¹⁰Université de Montréal, Laval, QC

¹¹Dalhousie University, St John, NB

¹²Queen's University, Kingston, ON

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POPULATION-BASED LOCAL CONTROL AND SURVIVAL OUTCOMES OF BRAIN POST-METASTASECTOMY
ADJUVANT RADIOTHERAPY VERSUS OBSERVATION

Zhang Hao Li (Jim) Li¹, Linden Almeida², Herve Choi¹, Ermias Gete¹, Fred Hsu³, Hannah Carolan¹, Jennifer Wang¹, Nan Hui (Susan) Yao¹, Andrew Lee¹, Serge Makarenko¹, Mostafa Fatehi¹, Waseem Sharieff³, Shrinivas Rathod³, Jessica Chan¹, Roy Ma Ma¹, Alan Nichol¹, Justin Oh¹

¹University of British Columbia, Vancouver, BC

²University of British Columbia, Prince George, BC

³University of British Columbia, Abbotsford, BC

3:00-4:00

Oral Session 2 – Central Nervous System

Moderators:

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RISK-STRATIFIED FREQUENCY OF MAGNETIC RESONANCE IMAGING FOLLOW-UP AFTER STEREOTACTIC
BODY RADIATION THERAPY FOR SPINE METASTASES

Hanbo Chen, Eshetu Atenafu, K. Liang Zeng, Aimee Chan, Jay Detsky, Sten Myrehaug, Hany Soliman, Chia-Lin Tseng, Arjun Sahgal, Pejman Maralani

University of Toronto, Toronto, ON

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A MACHINE LEARNING TOOL FOR PREDICTION OF VERTEBRAL COMPRESSION FRACTURE FOLLOWING
STEREOTACTIC BODY RADIATION THERAPY FOR SPINAL METASTASES

Laura Burgess, Matthew Rezkalla, Geoffrey Klein, Batuhan Karagoz, Gonzalo Martinez Santos, Mobin Malmirian, Cari Whyne, Arjun Sahgal, Michael Hardisty

University of Toronto, Toronto, ON

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PITUITARY ADENOMAS TREATED WITH GAMMA KNIFE RADIOSURGERY: A RETROSPECTIVE ANALYSIS
WITHIN UNIVERSITY HEALTH NETWORK

Inhwa Kim¹, Michael Yan¹, Colin Faulkner², Michel Sourour¹, Michael Cusimano¹, Aristotelis Kalyvas¹, Normand Laperriere¹, David Payne¹, Dana Keilty¹, Gelareh Zadeh¹, Derek Tsang¹

¹University Health Network, Toronto, ON

²Queen's University, Kingston, ON

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FRACTIONATED STEREOTACTIC RADIOSURGERY IN BRAIN METASTASES: A SINGLE INSTITUTE
RETROSPECTIVE ANALYSIS

Vibhay Pareek, Eric VanUytven, Sankar Venkataraman, James Butler, Saranya Kakumanu
CancerCare Manitoba, Winnipeg, MB

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PROGNOSTIC FACTORS FOR LOCAL FAILURE AND OVERALL SURVIVAL IN PATIENTS WITH EPIDURAL
DISEASE AT THE CAUDA EQUINA FOLLOWING STEREOTACTIC BODY RADIOTHERAPY: A CLINICAL,
ANATOMIC AND DOSIMETRIC ANALYSIS

Sondos Zayed, Mark Ruschin, Eshetu Atenafu, Deepak Dinakaran, Hanbo Chen, Jay Detsky, Hany Soliman, Sten Myrehaug, Arjun Sahgal, Chia-Lin (Eric) Tseng

University of Toronto, Toronto, ON

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INCREASING INCIDENCE OF BRAIN METASTASES AND INTRACRANIAL RADIOTHERAPY AMONG
GYNECOLOGIC CANCER PATIENTS

Ege Babadagli¹, Hillary Wilson¹, Carly Cooke¹, Prateek Mehra¹, Vimoj Nair¹, Laura Burgess², Tian Le¹,
Krystine Lupe¹, Wylam Faught¹, Shawn Malone¹, Rajiv Samant¹

¹University of Ottawa, Ottawa, ON

²Sunnybrook-Odette Cancer Centre, Toronto, ON

4:00-5:30

AGM

5:30-6:30

Mentorship Session

7:30

Welcome Reception

Slate

670 Smithe St.

Friday September 13, 2024

7:00-8:00

Registration and Breakfast

Committee Meetings

Exhibit Hall

8:00-9:00

Gold Medal and Gordon Richards Lecture

Moderators:

Title:

Speaker: Mira Keyes

9:00-10:00

Fellow Competition

Moderators:

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

- Describe ongoing research taking place by radiation oncology fellows.
- Discuss the top ranked Canadian Radiation Oncology Fellow research abstracts.

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DEVELOPMENT OF SO-HNC, AN EXTENSIBLE STAGING ONTOLOGY FOR HEAD AND NECK CANCER

Andrew Arifin¹, Jeffrey Myers¹, Renata Ferrarotto¹, Faye Johnson¹, Miriam Lango¹, David Rosenthal¹, Clifton Fuller¹, Cui Tao², Amy Moreno¹

¹The University of Texas MD Anderson Cancer Center, Houston, TX

²Mayo Clinic, Jacksonville, FL

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EARLY OUTCOME OF PRESTO: A PHASE I-II TRIAL OF SHORT COURSE PRE-OPERATIVE RADIOTHERAPY FOR SOFT TISSUE SARCOMA

Hanis Hanafi, Carolyn Freeman, Fabio Cury

McGill University Health Centre, Montréal, QC

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EARLY APPARENT DIFFUSION COEFFICIENT (ADC) CHANGES DURING CONCURRENT CHEMORADIATION: AN IMAGING BIOMARKER FOR TREATMENT RESPONSE AND RECURRENCE PREDICTION IN GLIOBLASTOMA

Daniel Moore-Palhares, Liam Lawrence, Hany Soliman, James Stewart, Sten Myrehaug, Pejman Maralani, Mark Ruschin, Jay Detsky, Hanbo Chen, Deepak Dinakaran, Chia-Lin (Eric) Tseng, Aimee Theriault, Arjun Sahgal, Angus Lau

University of Toronto, Toronto, ON

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ARTIFICIAL INTELLIGENCE (AI) FOR EARLY IDENTIFICATION OF RADIOTHERAPY RELATED TOXICITIES FROM THE ELECTRONIC HEALTH RECORDS OF PATIENTS WITH HEAD AND NECK CANCER

John Mohan Mathew¹, Faisal Alfadli¹, Samantha Parmelee¹, Steven Aviv², Michelle ML Nguyen², Viktoriia Mokriak², Christopher Pettengell², Philip Wong¹

¹Princess Margaret Cancer Centre, Toronto, ON

²Pentavere Research Group Inc., Toronto, ON

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STEREOTACTIC BODY VERSUS CONVENTIONAL FRACTIONATION EXTERNAL BEAM RADIOTHERAPY (EBRT) BOOST FOR HIGH-RISK PROSTATE CANCER (HR-PC); EARLY RESULTS OF PBS: A PHASE II RANDOMIZED TRIAL (NCT03380806).

Andre Gouveia¹, Aruz Mesci², Naghmeh Isfahanian¹, Ian Dayes¹, Kara Lynne Schnarr¹, Kimmen Quan¹, Lindsay Maharaj³, David Cuthbert⁴, Abhiram Hallock⁴, Georgia Douvi¹, Himu Lukka¹, Mira Goldberg¹, Jim Wright¹, Anand Swaminath¹, Tom Chow⁵, Kevin Diamond⁴, Joycelyne Ewusie⁶, George Hajdok⁴, Theodoros Tsakiridis¹

¹McMaster University, Hamilton, ON

²Princess Margaret Cancer Centre, Toronto, ON

³Hamilton Health Sciences, Hamilton, ON

⁴Walker Family Cancer Center, St. Catharines, ON

⁵Juravinski Cancer Centre, Hamilton, ON

⁶St. Joseph's Health Care, Hamilton, ON

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HYPOFRACTIONATED INTENSITY MODULATED RADIATION THERAPY AND WEEKLY GEMCITABINE IS AN EFFECTIVE AND SAFE CURATIVE TREATMENT IN MUSCLE INVASIVE BLADDER CANCER: LONG-TERM RESULTS

Tomás Yokoo Teodoro de Souza, Luis Souhami, Rie Nadia Asso, Constanza Martínez, Wassim Kassouf, Armen Aprikian, Ramy Saleh, Sergio Faria, Marie Duclos, James Tsui, Rafael Sanchez Salas, Fabio L. Cury
McGill University Health Centre, Montréal, QC

10:00-11:00

Poster Viewing Session 2

Refreshment Break

11:00-12:00

Oral Session 3 Mixed Clinical (H&N, Sarcoma, Machine Learning)

Moderators:

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EXPERIENCE OF IMPLEMENTING DEEP LEARNING-BASED AUTOMATIC CONTOURING IN BREAST RADIATION THERAPY PLANNING: INSIGHTS FROM OVER 2,000 CASES

Jee Suk Chang, Byung Min Lee, Jin Sung Kim, Ik Jae Lee

Yonsei University, Seoul, KR

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RADIOMICS-BASED PREDICTION OF RECURRENCE-FREE SURVIVAL IN OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS UNDERGOING CHEMORADIOTHERAPY: DEVELOPMENT AND VALIDATION OF A PROGNOSTIC MODEL

Daegan Sit¹, Sunan Cui², Michael Gensheimer³, Beth Beadle³, Quynh-Thu Le³, Ruijiang Li³

¹British Columbia Cancer Vancouver, Vancouver, BC

²University of Washington School of Medicine, Seattle, WA

³Stanford University, Palo Alto, CA

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LONG-TERM OUTCOMES OF EXTREMITY AND TRUNK SOFT TISSUE SARCOMA USING PREOPERATIVE RADIATION AND CONSERVATIVE SURGERY

Nattinee Wattakiyanon¹, Anthony M. Griffin², Zhihui Amy Liu³, Charles N. Catton¹, David B Shultz¹, Philip Wong¹, David G. Kirsch¹, Jay S. Wunder², Kim Tsoi², Peter C. Ferguson², Peter W. M. Chung¹

¹University of Toronto, Toronto, ON

²Mount Sinai Hospital, Toronto, ON

³University Health Network, Toronto, ON

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OPIOID THERAPY VERSUS MULTIMODAL ANALGESIA IN HEAD AND NECK CANCER (OPTIMAL-HN): RESULTS OF A RANDOMIZED CLINICAL TRIAL

Sondos Zayed, Pencilla Lang, Jennifer Neeb, Kathlin Crewdson, Alike Kingsbury-Paul, Danielle Vanwynsberghe, Kelsey Kierasewicz, Krista D'Angelo, Nancy Read, Rohann Correa, Adam Mutsaers, Christopher Goodman, Caitlin Carreau, Eric Winquist, Sara Kuruvilla, Paul Stewart, Dwight Moulin, Andrew Warner, David Palma
Western University, London, ON

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ADDITIONAL BENEFIT OF ENDOCRINE THERAPY TO RT IN POSTMENOPAUSAL PATIENTS WITH LOW-RISK BREAST CANCER

Lisa Barbera, Alison Laws, Yuan Xu, May Lynn Quan
University of Calgary, Calgary, AB

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CUMULATIVE INCIDENCE OF SARCOMA BRAIN METASTASES: REPORT FROM A HIGH-VOLUME CANCER CENTRE

Ayah Erjan, Kurl Jamora, Enrique Gutierrez, Barbara-Ann Millar, Normand Laperriere, Tatiana Conrad, Dana Keilty, Philip Wong, Peter Chung, Charles Catton, David Kirsch, David Shultz
University of Toronto, Toronto, ON

11:00-12:00

Oral Session 4 – Global Health, Education

Moderators:

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PROGRAM DIRECTOR PERSPECTIVES ON THE IMPLEMENTATION AND EXPERIENCES OF THE COMPETENCE BY DESIGN CURRICULUM IN CANADIAN RADIATION ONCOLOGY TRAINING PROGRAMS

Emily O'Reilly¹, Meredith Giuliani², Barbara-Ann Millar², Barbara Strang³, Martin Korzeniowski⁴, Joanne Alfieri⁵, Paris Ann Ingledew¹

¹British Columbia Cancer Vancouver, Vancouver, BC

²Princess Margaret Cancer Centre, Toronto, ON

³Juravinski Cancer Centre, Hamilton, ON

⁴Kingston Health Sciences Centre, Kingston, ON

⁵McGill University Health Centre, Montréal, QC

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THE CURRENT STATE OF DIVERSITY AND WORKPLACE EXPERIENCES OF RADIATION ONCOLOGISTS IN CANADA: A SURVEY OF GENDER IDENTITY, SEXUAL ORIENTATION, DISABILITY, RACE, ETHNICITY, RELIGION, AND WORKPLACE HARASSMENT AND DISCRIMINATION

Amanda Khan¹, Stefan Allen², Ian Gerard³, Glen Bandiera², David Bowes⁴, Jolie Ringash², Reshma Jaggi⁵, Jennifer Croke^{2*}, Shaun Loewen^{1*}

¹University of Calgary, Calgary, AB
²University of Toronto, Toronto, ON
³McGill University, Montréal, QC
⁴Dalhousie University, Halifax, NS
⁵Emory School of Medicine, Atlanta, GE
*Denotes equal contributions

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RADIOTHERAPY AVAILABILITY AND PUBLIC AWARENESS: A COMPARATIVE ANALYSIS ACROSS HEALTH SYSTEMS

Raphael William¹, Pierre-Yves McLaughlin², Jean-Marc Bourque³, Marc Gaudet²

¹McGill University, Montréal, QC
²University of Ottawa, Ottawa, ON
³Université de Montréal, Montréal, QC

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UNDERSTANDING EQUITY, DIVERSITY, AND INCLUSION WITHIN CANADIAN RADIATION ONCOLOGY: EXPERIENCES OF RESIDENTS AND FELLOWS

Stefan Allen¹, Amanda (Amy) Khan², Jolie Ringash³, David Bowes¹, Ian J. Gerard⁴, Glen Bandiera⁵, Reshma Jagsi⁶, Zhihui (Amy) Liu⁵, Shaun Loewen^{7*}, Jennifer Croke^{3*}

¹Dalhousie University, Halifax, NS
²University of Calgary, Calgary, AB
³University of Toronto, Toronto, ON
⁴McGill University, Montréal, QC
⁵University of Toronto, Toronto, ON
⁶Emory School of Medicine, Atlanta, GA
⁷University of Calgary, Calgary, AB
*Denotes equal contributions

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IMPACT OF A NATIONAL VIRTUAL ONCOLOGY COURSE ON MEDICAL STUDENT COMPETENCY AND PROFESSIONAL IDENTITY DEVELOPMENT

Aaron Dou¹, Joy Du², Joanne Alfieri³, Sharlene Gill⁴, Jennifer Croke¹, Paris-Ann Ingledew⁴

¹University of Toronto, Toronto, ON
²McMaster University, Hamilton, ON
³McGill University, Montréal, QC
⁴British Columbia Cancer Vancouver, Vancouver, BC

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ASSESSING RADIATION THERAPY NEEDS IN FRANCOPHONE LMICS: OVERCOMING LANGUAGE BARRIERS FOR EQUITABLE CANCER CARE

Philippe Harris¹, Marc Gaudet², Lilia Naoun³, Jean-Philippe Pignol⁴, Marjory Jolicoeur¹, May Abdel-Wahab⁵, Jean-Marc Bourque¹

¹Université de Montréal, Montréal, QC
²University of Ottawa, Ottawa, ON
³Centre Hospitalo-Universitaire de Annaba, Annaba, DZ
⁴Al Faisal University, Riyadh, SA
⁵International Atomic Energy Agency, Vienna, AT

12:00-1:00

Oral Session 5 - SBRT

Moderators:

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THE MANAGEMENT OF STAGE I NON-SMALL CELL LUNG CANCER (NSCLC) IN ONTARIO: A POPULATION-BASED STUDY OF PRACTICE PATTERNS OF CARE AND STEREOTACTIC ABLATIVE BODY RADIOTHERAPY UTILIZATION FROM 2010-2019

Allison Ashworth, Timothy Owen, Weidong Kong, Timothy Hanna, Michael Brundage
Queen's University, Kingston, ON

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5-YEAR SINGLE-INSTITUTION EXPERIENCE OF SINGLE-FRACTION SABR FOR NON-SMALL CELL LUNG CANCER

Myriam Bouchard, Anthony Caron, Guy-Anne Turgeon, Sawyna Provencher, Héloïse Lavoie-Gagnon, Daniel Amzallag, Isabelle Soucy, Samuel Lemaire-Paquette, Marc-Émile Plourde
Université de Sherbrooke, Sherbrooke, QC

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DOSIMETRIC PREDICTORS OF TOXICITY AND LOCAL CONTROL OF SINGLE-FRACTION SABR FOR NON-SMALL CELL LUNG CANCER

Myriam Bouchard, Anthony Caron, Guy-Anne Turgeon, Sawyna Provencher, Héloïse Lavoie-Gagnon, Daniel Amzallag, Isabelle Soucy, Samuel Lemaire-Paquette, Marc-Émile Plourde
Université de Sherbrooke, Sherbrooke, QC

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IMPACT OF CLINICAL TARGET VOLUME UTILIZATION ON OUTCOMES IN PATIENTS WITH NON-SPINE BONE OLIGOMETASTASES TREATED WITH STEREOTACTIC ABLATIVE RADIATION THERAPY

Emily O'Reilly¹, Eshawn Johal², Haley Clark³, Benjamin Mou⁴, Reno Cereno⁴, Mitchell Liu¹, Devin Schellenberg³, Will Jiang³, Tanya Berrang⁵, Abraham Alexander⁵, Hannah Carolan¹, Siavash Atrchian⁴, Emma Dunne¹, Scott Tyldesley¹, Robert Olson⁶, Sarah Baker³

¹British Columbia Cancer Vancouver, Vancouver, BC

²University of British Columbia, Prince George, BC

³British Columbia Cancer Surrey, Surrey, BC

⁴British Columbia Cancer Kelowna, Kelowna, BC

⁵British Columbia Cancer Victoria, Victoria, BC

⁶British Columbia Cancer Prince George, Prince George, BC

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SABR IN THE MANAGEMENT OF RENAL CELL CARCINOMA: A SINGLE CENTRE EXPERIENCE

Tomás Yokoo Teodoro de Souza, Armen Aprikian, Simon Tanguay, Marie Duclos, Sergio Faria, Wassim Kassouf, James Tsui, Rafael Sanchez Salas, Luis Souhami, Fabio L Cury
McGill University Health Centre, Montréal, QC

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CARDIAC RADIOABLATION FOR THE TREATMENT OF VENTRICULAR TACHYCARDIA

Matthew Volpini, Katie Lekx-Toniolo, Greg Fox, Calum Redpath, Andrew Crean, David Tiberi, Graham Cook
The Ottawa Hospital, Ottawa, ON

12:00-1:00

Oral Session 6 – Mixed Clinical (3 G's)

Moderators:

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DOES TESTOSTERONE RECOVERY AFTER ANDROGEN DEPRIVATION THERAPY IMPACT ON OVERALL SURVIVAL IN PATIENTS CURED FROM PROSTATE CANCER? LONG-TERM PROSPECTIVE DATA

Abdenour Nabid¹, Nathalie Carrier¹, Eric Vigneault², André-Guy Martin², Thu Van Nguyen³, Jean-Paul Bahary³, Peter Vavassis³, Boris Bahoric⁴, Marc-André Brassard⁵, Sylvie Vass⁵, Robert Archambault⁴, François Vincent⁶, Redouane Bettahar⁷, Marie Duclos⁴, Derek Wilke⁸, Luis Souhami⁴

¹Université de Sherbrooke, Sherbrooke, QC

²CHU de Québec-Université Laval, Québec, QC

³Université de Montréal, Montréal, QC

⁴McGill University, Montréal, QC

⁵Université de Sherbrooke, Chicoutimi, QC

⁶Université de Montréal, Trois-Rivières, QC

⁷CHU de Québec-Université Laval, Rimouski, QC

⁸Dalhousie University, Halifax, NS

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ULTRAHYPOFRACTIONATED VERSUS MODERATELY HYPOFRACTIONATED AND CONVENTIONALLY FRACTIONATED PELVIC RADIOTHERAPY FOR PROSTATE CANCER: OUTCOMES FROM 3 PROSPECTIVE CLINICAL TRIALS

Rachel Glicksman¹, Andrew Loblaw², Gerard Morton², Danny Vesprini², Ewa Szumacher², Hans T Chung², William Chu², Stanley K Liu², Melanie Davidson³, Alexandre Mamedov², Liying Zhang², Patrick Cheung², Chia-Lin Tseng², Andrea Deabreu²

¹University of Toronto, Toronto, ON

²Sunnybrook-Odette Cancer Centre, Toronto, ON

³British Columbia Cancer Kelowna, Kelowna, BC

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EVALUATION OF ACUTE BOWEL TOXICITY AFTER SIMULTANEOUS INTEGRATED BOOST (SIB) RADIATION THERAPY FOR PELVIC TUMOURS

Laraib Khan, Maham Khan, Sehrish Abrar, Tooba Ali, Nasir Ali

Aga Khan University Hospital, Karachi, PK

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CLINICAL OUTCOMES OF NEUROENDOCRINE CARCINOMA OF THE CERVIX: RETROSPECTIVE REVIEW FROM A LARGE ACADEMIC CENTRE

Jason Fernandes, Anjelica Hodgson, Kathy Han, Michael Milosevic, Jelena Lukovic, Stephanie Lheureux, Sarah Ferguson, Anna Santiago, Jennifer Croke

University of Toronto, Toronto, ON

47

A SINGLE INSTITUTION RETROSPECTIVE STUDY OF PELVIC INSUFFICIENCY FRACTURES FOLLOWING NEOADJUVANT SHORT COURSE INTENSITY-MODULATED RADIATION THERAPY FOR RECTAL CANCER

Kristopher Dennis, Christiane Hache, Cathy Rose, Gordon Locke, Chunzi Jin, Vimoj Nair, Jason Pantarotto, Said Al Saifi

The Ottawa Hospital, Ottawa, ON

48

THE IMPACT OF SEMINAL VESICLE TREATMENT ON THE RISK OF BIOCHEMICAL RECURRENCE IN PATIENTS WITH LOCALIZED PROSTATE CANCER TREATED WITH EXTERNAL BEAM RADIOTHERAPY

Tanner Steed¹, Jordan Hill², Nikki Chopra¹, Sumayya Taher¹, Raiyana Islam¹, Mathew Gorman¹, Sunita Ghosh¹, Jihyun Yun¹, Benjamin Burke¹, Brad Warkentin¹, Jackson Steed¹, Nawaid Usmani¹

¹University of Alberta, Edmonton, AB

²Harvard University, Boston, MA

1:00-2:30

Lunch

Visit Exhibit Hall

Committee Meetings

Yoga

1:30-2:30

Poster Discussion Session 1

Moderators:

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

- Discover ongoing radiation medicine research taking place across a variety of areas.

49

STEREOTACTIC ABLATIVE RADIOTHERAPY FOR OLIGOPROGRESSIVE SOLID TUMOURS: A SYSTEMATIC REVIEW AND META-ANALYSIS

Vivian S Tan¹, Jerusha Padayachee², George B Rodrigues¹, Inmaculada Navarro², Prakesh S Shah³, David A Palma¹, Aisling Barry⁴, Rouhi Fazelzad², Jacques Raphael¹, Joelle Helou¹

¹London Regional Cancer Centre, London, ON

²Princess Margaret Cancer Centre, Toronto, ON

³Mount Sinai Hospital, Toronto, ON

⁴Cork University Hospital, Cork, IE

50

DOSIMETRIC PREDICTORS OF RADIATION PNEUMONITIS IN LOCALLY ADVANCED NON-SMALL CELL LUNG CANCER PATIENTS WITH ARTIFICIAL INTELLIGENCE-SCREENED INTERSTITIAL LUNG DISEASE

Hannah Bacon¹, Nicholas McNeil³, Tirth Patel⁴, Mattea Welch², Xiang Y. Ye⁴, Andrea Bezjak², Benjamin H. Lok², Srinivas Raman², Meredith Giuliani², John Cho², Alexander Sun², Geoffrey Liu², Sonja Kandel⁴, Chris McIntosh¹, Tony Tadic², Andrew Hope², Patricia Lindsay²

¹University of Toronto, Toronto, ON

²Princess Margaret Cancer Centre, Toronto, ON

³GenesisCare, Vale, OR

⁴University Health Network, Toronto, ON

51

IDENTIFICATION OF BARRIERS TO NOONA™ ADOPTION AMONGST PROSTATE CANCER PATIENTS UNDERGOING CURATIVE RADIOTHERAPY AT A CANADIAN PROVINCIAL CANCER PROGRAM

Nikunj Patil, Rashmi Koul, Jennifer Moyer, Jennifer Beaudry, Julian Kim
CancerCare Manitoba, Winnipeg, MB

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WHAT DO WE KNOW ABOUT PROSTATE CANCER PATIENT RECALL AT THE POST-TREATMENT APPOINTMENT DURING THE RADIO-ONCOLOGY CARE PATHWAY?

Jade Latraverse-Arquilla¹, Marie-Andrée Fortin², Marie-Ève Lavoie³, Claude Richard³, Denis Roberge², Isabelle Germain⁴, Israël Fortin⁶, Moein Alizadeh², Marie-Thérèse Lussier¹, William Foster⁴, Alain Lesage⁵, Janie Houle¹, Géraldine Layani¹, Stéphanie Fox¹

¹Université de Montréal, Montréal, QC

²Centre intégré de santé et des services sociaux de Laval, Laval, QC

³Centre de Recherche du Centre Hospitalier de l'Université de Montréal (crCHUM), Montréal, QC

⁴Centre de cancérologie du Centre hospitalier universitaire de Québec, Québec, QC

⁵Centre universitaire de santé mentale de Montréal, Montréal, QC

⁶Centre intégré de cancérologie de l'Hôpital Maisonneuve-Rosemont, Montréal, QC

53

THE ASOCIATION OF SERUM LIPIDS WITH PROSTATE CANCER RISK AND AGGRESSIVENESS IN NIGERIAN MEN

Kehinde Adeyinka¹, Taiwo Aremu², Atara Ntekim³, Adeniyi Adenipekun³, Augustine Takure³, Solomon Rotimi⁴

¹University College, Ibadan, NG

²University of Minnesota, Minneapolis, MN

³University of Ibadan, Ibadan, NG

⁴Covenant University, Ota, NG

54

SCATTERED RADIATION TO THE TESTIS AND TESTOSTERONE SECRETION IN PROSTATE CANCER TREATED WITH RADIOTHERAPY ALONE

Abdenour Nabid¹, Nathalie Carrier¹, Eric Vigneault², Thu Van Nguyen³, Peter Vavassis³, Boris Bahoric⁴, Marc-André Brassard¹, Robert Archambault⁴, François Vincent³, Redouane Bettahar², Derek Wilke⁶, Vincent Hubert-Tremblay⁵, Luis Souhami⁴

¹Université de Sherbrooke, Sherbrooke, QC

²CHU de Québec-Université Laval, Québec, QC

³Université de Montréal, Montréal, QC

⁴McGill University, Montréal, QC

⁵Université de Sherbrooke, Chicoutimi, QC

⁶Dalhousie University, Halifax, NS

55

DEFINITIVE CHEMORADIATION WITH PROTON THERAPY FOR NASAL CAVITY MALIGNANCIES FOR ORGAN PRESERVATION OR UNRESECTABLE DISEASE

Fan Yang, Nikhil Mankuzhy, Eric Sherman, Mark Cohen, Nancy Lee
Memorial Sloan Kettering Cancer Center, New York, NY

56

DOSIMETRIC COMPARISON OF CONVENTIONAL INTEGRATED BOOST VERSUS TWO-PHASE LYMPHOCYTE-SPARING VMAT FOR P16-POSITIVE OROPHARYNGEAL CARCINOMA

Ye Liu, Shao Hui Huang, John Cho, Ezra Hahn, Michael Holwell, Andrew Hope, Ali Hosni, John Kim, Brian O'Sullivan, Jolie Ringash, Edward Taylor, Jillian Tsai, John Waldron, Andrew McPartlin
University of Toronto, Toronto, ON

57

ASSOCIATION OF ABSOLUTE AMOUNT OF PATTERN 4 DISEASE ON PROSTATE BIOPSY WITH ONCOLOGIC OUTCOMES IN INTERMEDIATE-RISK PROSTATE CANCER: A SYSTEMATIC REVIEW

Melissa Sam Soon, Scott Morgan, Luke Lavallee, Rodney Breau, Trevor Flood, Mark Corkum
University of Ottawa, Ottawa, ON

58

LONG-TERM ANORECTAL FUNCTION IN PATIENTS WITH ANAL CANAL CANCER TREATED WITH CHEMORADIOTHERAPY: A PROSPECTIVE STUDY OF PATIENT REPORTED OUTCOMES

Constanza Martinez^{1,2}, Aurelie Garant³, Allison Pang², Carol-Ann Vasilevsky², Kim Ma², Marilyse Boutros², Magali Lecavalier², Nancy Morin², Stephan Bukera², Té Vuong²

¹McGill University Health Centre, Montréal, QC

²Jewish General Hospital, Montréal, QC

³University of Texas Southwestern Medical Center, Dallas, TX

1:30-2:30

Poster Discussion Session 2

Moderators:

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

- Discover ongoing radiation medicine research taking place across a variety of areas.

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MEASUREMENT OF OCCUPATIONAL RADON LEVELS OVER TWO SEASONS IN THE RADIATION THERAPY DEPARTMENT AT A CANADIAN CANCER CENTRE

Vicky Huang¹, Brennen Dobberthien¹, Gurpreet Sandhu¹, Ann Marie Nicol²

¹British Columbia Cancer Surrey, Surrey, BC

²Simon Fraser University, Burnaby, BC

60

EVALUATION OF PATIENT EXPERIENCE WITH AN OUT-OF-COUNTRY RADIATION THERAPY PROGRAM

James Loudon, Adrian White, Tammy Currie, Devin Schellenberg
British Columbia Cancer Vancouver, Vancouver, BC

61

EVALUATION OF A SCHEDULING OPTIMIZATION PLATFORM IN A LARGE RADIATION MEDICINE PROGRAM: RESULTS OF A PILOT STUDY

Melissa Diffey¹, Suzanne Comino¹, Kerri-Lyn Errington¹, Marc Gaudet¹, Alison Jennings¹, Elizabeth Ourumis², Andre Diamant², Raphaelle Piot-Rolland², Marc-Andre Renaud², Julie Renaud¹, Miller MacPherson¹

¹The Ottawa Hospital, Ottawa, ON

²CancerCare Manitoba, Winnipeg, MB

62

THE INCIDENCE AND FACTORS ASSOCIATED WITH PULMONARY TOXICITY IN ADULTS AFTER TOTAL BODY IRRADIATION-BASED CONDITIONING REGIMENS AND BONE MARROW TRANSPLANTATION

Ruijia (Rachel) Jin¹, Justin Oh¹, Iman Baharmand², Matthew Chan¹, Jessica Chan¹, Andrea Lo¹, Abou Mourad Yasser¹, Cheryl Duzenil¹

¹British Columbia Cancer Vancouver, Vancouver, BC

²University of British Columbia, Vancouver, BC

63

STANDARDIZATION HARMONIZATION & AUTOMATION FOR THE RESILIENT DELIVERY OF RADIATION THERAPY (SHARED-RT): A PROVINCIAL APPROACH

Allison Tammark, Kerry James

British Columbia Cancer Vancouver, Vancouver, BC

64

LARGE-SCALE DNA ORGANIZATION TO PREDICT REGIONAL NODAL DISEASE FOR BREAST CANCER

Nikolay Alabi¹, Fumi Inaba¹, Anita Carraro¹, Soufiane El Hallani², Alan Nichol¹, Martial Guillaud¹

¹British Columbia Cancer Vancouver, Vancouver, BC

²University of Alberta, Edmonton, AB

65

A MULTICENTRE, THREE ARM, PHASE III RANDOMIZED CONTROLLED TRIAL ON THE MANAGEMENT OF ORAL MUCOSITIS IN PATIENTS RECEIVING RADICAL RADIATION FOR HEAD AND NECK CANCER: AN EVALUATION OF BARRIER-BASED TREATMENT

Murali Rajaraman, Derek Wilke, Lara Best

Dalhousie University, Halifax, NS

66

THE IMPACT OF INTER-ARC IMAGING USING FIDUCIAL-BASED MATCHING ON INTRAFRACTION MOTION IN PROSTATE SABR

Rainbow Yu¹, Subhadip Das², Isabelle Gagne¹, Abraham Alexander²

¹British Columbia Cancer Victoria, Victoria, BC

²University of British Columbia, Surrey, BC

67

DEVELOPMENT OF A PREDICTIVE MODEL FOR GASTROSTOMY TUBE DEPENDENCE IN HPV-ASSOCIATED OROPHARYNGEAL SQUAMOUS CELL CARCINOMA PATIENTS UNDERGOING CHEMORADIOTHERAPY

Nicholas Dietrich¹, Susie Su², Shao Hui Huang², John Waldron², John Kim², Jolie Ringash², John Cho², Andrew Hope², Jillian Tsai², Ezra Hahn², Ali Hosni Abdalaty², Scott Bratman², Enrique Sanz Garcia², Lawson Eng², Andrew McPartlin²

¹University of Toronto, Toronto, ON

²Princess Margaret Cancer Centre, Toronto, ON

68

A SINGLE-INSTITUTION RETROSPECTIVE ANALYSIS OF THE TBI-ARC TECHNIQUE IN PATIENTS WHO RECEIVED TOTAL BODY IRRADIATION AT THE MCGILL UNIVERSITY HEALTH CENTRE

Benson Wan, Mame Daro Faye, Russell Ruo, Judy Wang, Victor Matassa, Ackeem Joseph, Sonia Skamene, Michael Evans, Carolyn Freeman

McGill University Health Centre, Montréal, QC

2:35-3:35

Workshop 1

The Future is Data-Driven: system-level pan-Canadian leadership to support local radiotherapy data standardization

Amanda Caissie, Caitlin Gillan, Brian Liszewski, Michelle Nielsen, CPAC Representative

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

- Appreciate the importance of standardized data in facilitating the consistent, transportable, and highest quality radiotherapy care of the future, including in use cases such as re-irradiation, emergency preparedness, patient-reported outcomes and AI-readiness.
- Navigate existing and emerging resources and initiatives to support local and system efforts towards standardization of radiotherapy data; TG-263, O3, Canadian Big Radiotherapy Data Initiative, and the CPAC/CCS Pan-Canadian Cancer Data Strategy.
- Contribute to CARO/COMP/CAMRT mandate through CADRA, to collaboratively inform and advance the leveraging of big data/AI in Canadian radiation medicine community in the interest of quality cancer care.

Workshop 2

Quantitative Imaging in Radiotheranostics - a case-based discussion

Rebecca Wong, Carlo Uribe, Glenn Bauman, Ivan Yeung

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

- Describe current indications for radiopharmaceuticals in clinical practice.
- Describe the principles of individualized dosimetry in radiotheranostics, important factors contributing to uncertainties in molecular imaging .
- Describe the role of quantitative molecular imaging (PET, SPECT) (in diagnosis, treatment response prediction) in the rapidly expanding radiotheranostics arena.

Workshop 3

"Who is my peer"? Considering radiation oncology, physics and therapy plan review in the emerging era of AI and automation

Amanda Caissie, Gillian Ecclestone, Harry Keller

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

- Review current QA activities that contribute to plan quality and draw attention to recent provincial, national, and international guidelines.
- Recognize the necessity of interdisciplinary treatment plan and peer review and the changing roles with emerging technologies, such as adaptive radiotherapy, automation (such as auto-contouring and auto-planning) and the introduction of machine learning/AI tools.
- Discuss models of interdisciplinary plan review and communication to increase efficiency and improve quality of the process.

Workshop 4

Shining the Beam on the Next Generation: Increasing Trainee Interest in Radiation Oncology

Andrea Bezjak, Aaron Dou, Joy Du, Paris-Ann Ingledew, Srinivas Raman

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

- Describe scholarship that illuminates barriers and enablers to medical students pursuing radiation oncology as a career path
- Describe current interventions to address these factors
- Identify future areas of scholarship, collaborations, and new initiatives

3:45-5:00

Run

7:00

Dinner and Awards Ceremony

Saturday September 14, 2024

7:00-8:00

Committee Meetings

8:00-8:45

Jean Roy Lecture

Moderator:

Introduction:

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

Xx

Xx

Title:

Speaker: Juanita Crook

8:45-9:00

Question & Answer Period

9:00-10:00

Canadian Brachytherapy Group Oral Session

Moderators:

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

Xx

Xx

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A RANDOMIZED COMPARISON OF LDR OR HDR BRACHYTHERAPY BOOST COMBINED WITH PELVIC EXTERNAL BEAM RADIATION FOR UNFAVOURABLE INTERMEDIATE OR HIGH-RISK PROSTATE CANCER: EFFICACY RESULTS AT MEDIAN 6 YEARS FOLLOW UP

Jui Chih Cheng¹, Juanita Crook¹, Nikitha Moideen¹, Greg Arbour², Felipe Castro Cánovas¹, Cynthia Araujo¹, Deidre Batchelar¹, Ross Halperin¹, Michelle Hilts¹, David Kim¹, David Patrik¹, Jim Rose³, Francois Bachand¹

¹British Columbia Cancer Kelowna, Kelowna, BC

²University of British Columbia, Vancouver, BC

³British Columbia Cancer Abbotsford, Abbotsford, BC

70

RETROSPECTIVE ANALYSIS OF PATIENTS TREATED WITH HDR BRACHYTHERAPY FOR PROSTATE CANCER

Ka-Kit David Yeung, Juanita Crook, Cynthia Araujo, Deidre Batchelar, David Kim, David Patrik, Tracey Rose, Francois Bachand

British Columbia Cancer Kelowna, Kelowna, BC

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UTILITY OF PRE-IMPLANT TRUS IN PROSTATE HDR BRACHYTHERAPY AT THE NOVA SCOTIA CANCER CENTRE

Kate Scarth¹, David Bowes¹, Kenny Zhan²

¹Dalhousie University, Halifax, NS

²Nova Scotia Cancer Centre, Halifax, NS

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LOCAL RELAPSE PATTERNS AFTER MR-ASSISTED SALVAGE HDR PROSTATE BRACHYTHERAPY: A PROSPECTIVE STUDY

Hans T. Chung^{1,2}, John Hudson^{1,2}, Andrew Loblaw^{1,2}, Chia-Lin Tseng^{1,2}, Moti Paudel^{1,2}, Melanie Davidson^{1,2}, Matt Wronski^{1,2}, Masoom Haider¹, Andrea Deabreu², Gerard Morton^{1,2}

¹University of Toronto, Toronto, ON

²Sunnybrook Odette Cancer Centre, Toronto, ON

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SALVAGE EXTERNAL BEAM RADIOTHERAPY COMBINED WITH VAGINAL BRACHYTHERAPY FOR LOCALLY ADVANCED, RECURRENT ENDOMETRIAL CANCER: A SINGLE INSTITUTE EXPERIENCE

Erin Baker, Vibhay Pareek, Mansi Barthwal, Florence Mutua, Aldrich Ong, Saranya Kakumanu

University of Manitoba, Winnipeg, MB

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SALVAGE INTERSTITIAL RECTAL BRACHYTHERAPY: A SINGLE INSTITUTION RETROSPECTIVE ANALYSIS

Amandeep Taggar¹, Mackenzie Smith¹, Shady Ashamalla¹, Moti Paudel¹, Kevin Martell², Sylvia Ng¹,

Michael Raphael¹, Deepak Dinakaran¹, Shun Wong¹

¹Sunnybrook-Odette Cancer Centre, Toronto, ON

²University of Calgary, Calgary, AB

10:00-10:30

Refreshment Break

10:30-12:00

CARO-ESTRO Symposium

Moderators:

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

Xx

Xx

Title: Global Challenges in Radiation Therapy

Speakers: Anna Kirby

11:30-12:00

Discussion Period

12:00-12:10

Refreshment/Stretch Break

12:10-1:10

Plenary Oral Abstracts

Moderators:

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

Xx

Xx

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THE ROLE OF STEREOTACTIC BODY RADIOTHERAPY IN OLIGOPROGRESSIVE MALIGNANT DISEASE (RADIANT): ONCOLOGIC OUTCOMES FROM A PHASE 2 NON-RANDOMIZED CONTROLLED TRIAL

Rachel Glicksman¹, Srinivas Raman¹, Peter Chung¹, Xiang Ye¹, Scott Bratman¹, Philippe Bedard¹, Eric Chen¹, Laura Dawson¹, Andrew Hope¹, Ali Hosni¹, Joanna Javor¹, Patricia Lindsay¹, Ciara O'Brien¹, Rebecca Wong¹, Aisling Barry², Joelle Helou³

¹Princess Margaret Cancer Centre, Toronto, ON

²University College Cork, Cork, IE

³London Regional Cancer Program, London, ON

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RADIATION ONCOLOGIST WORKLOAD AFTER TRADITIONAL OFFICE HOURS: A THREAT TO WORK-LIFE BALANCE?

Marc Gaudet, Suzanne Comino, Rob MacRae, Jason Pantarotto, Kris Dennis, Miller MacPherson, Melissa Diffey, Marcus Ward, Patrick Martin, Julie Renaud

University of Ottawa, Ottawa, ON

77

EVALUATING TOXICITY AND INTERACTION OUTCOMES OF SYSTEMIC THERAPY AND STEREOTACTIC ABLATIVE RADIOTHERAPY FOR OLIGOMETASTATIC DISEASE: A SECONDARY ANALYSIS OF THE PHASE II SABR-5 TRIAL

Aiden Kooyman¹, Jee Suk Chang², Mitchell Liu², Will Jiang³, Alanah Bergman², Devin Schellenberg³, Benjamin Mou⁴, Abraham Alexander⁵, Hannah Carolan², Fred Hsu⁶, Stacy Miller¹, Siavash Atrchian⁴, Elisa Chan², Clement Ho³, Islam Mohamed⁴, Angela Lin⁴, Tanya Berrang⁵, Andrew Bang², Nick Chng¹, Quinn Matthews¹, Vicky Huang³, Ante Mestrovic⁵, Derek Hyde⁴, Chad Lund³, Howard Pai⁵, Boris Valev⁵, Shilo LeFresne², Scott Tyldesley², Robert Olson¹, Sarah Baker³

¹University of British Columbia, Prince George, BC

²University of British Columbia, Vancouver, BC

³University of British Columbia, Surrey, BC

⁴University of British Columbia, Kelowna, BC

⁵University of British Columbia, Victoria, BC

⁶University of British Columbia, Abbotsford, BC

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THE IMPACT OF ULTRA-CENTRAL TUMOUR LOCATION ON OUTCOMES IN PATIENTS WITH PULMONARY OLIGOMETASTASES: A SECONDARY ANALYSIS OF THE SINGLE-ARM PHASE II SABR-5 TRIAL

Hanna Atmanspacher-Wirth¹, Yizhou Zhao², Devin Schellenberg², Haley Clark², Benjamin Mou³, Mitchell Liu¹, Fred Hsu⁴, Tanya Berrang⁵, Siavash Atrchian³, Alanah Bergman¹, Nick Chng⁶, Quinn Matthews⁶, Jee Suk Chang⁷, Scott Tyldesley¹, Robert Olson⁶, Sarah Baker²

¹University of British Columbia, Vancouver, BC

²University of British Columbia, Surrey, BC

³University of British Columbia, Kelowna, BC

⁴University of British Columbia, Abbotsford, BC

⁵University of British Columbia, Victoria, BC

⁶University of British Columbia, Prince George, BC

⁷Yonsei University, Seoul, KR

1:10-1:15

Closing Remarks

Poster Abstracts

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WHOLE BRAIN RADIOTHERAPY WITH HIPPOCAMPAL AVOIDANCE: RE-EVALUATING THE NECESSITY OF THIN SLICE MRI FOR HIPPOCAMPAL CONTOURING

Emilie Pelchat¹, Lucy Ward², Natasha Levangie², Lara Best¹, Liam Mulroy¹, Michael Ha¹, Chris Thomas¹, Tracy Day²

¹Dalhousie University, Halifax, NS

²Nova Scotia Health Authority, Halifax, NS

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STEREOTACTIC BODY RADIATION THERAPY FOR INTRAHEPATIC GRAFT RECURRENCE OF HEPATOCELLULAR CARCINOMA AFTER LIVER TRANSPLANTATION

Alexander Piening, Jeevin Shahi

Saint Louis University School of Medicine, Saint Louis, MO

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PHOTOBIMODULATION FOR THE PREVENTION OF ORAL MUCOSITIS IN PATIENTS TREATED WITH RADIOTHERAPY FOR HEAD AND NECK CANCER

Patrick Martin, Matthew Beckett, Stephanie Johnson-Obaseki, John Hilton, Pamela Boulianne, Michael Vickers, Kristopher Dennis, Marc Gaudet

University of Ottawa, Ottawa, ON

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AUTOMATING LOCAL, REGIONAL, DISTANT RELAPSE IDENTIFICATION IN BREAST CANCER COMPUTED TOMOGRAPHY REPORTS USING NATURAL LANGUAGE PROCESSING

Jaimie Lee, Andres Zepeda, Gregory Arbour, Kathryn Isaac, Raymond Ng, Alan Nichol

University of British Columbia, Vancouver, BC

83

PROSPECTIVE EVALUATION OF GASTROINTESTINAL AND GENITOURINARY SIDE EFFECTS OF PELVIC RADIOTHERAPY: ASSOCIATION BETWEEN PATIENT-REPORTED OUTCOMES AND CLINICIAN-REPORTED OUTCOMES WITH A VIEW TO IMPROVING QUALITY OF CARE

Rania Soliman¹, Raphael William², Talia Malagón², Tarek Hijal², Luis Souhami², Joanne Alfieri²

¹McGill University, Saint-Hubert, QC

²McGill University, Montréal, QC

84

A POPULATION BASED STUDY ON LONG TERM OUTCOMES FOR MALIGNANT MELANOMA OF THE FEMALE GENITO-URINARY TRACT, IN THE PRE-IMMUNOTHERAPY ERA

Rashi Kulshrestha, Gaurav Bahl, Thao Nguyen

University of British Columbia, Abbotsford, BC

85

IS ABDOMINAL OBESITY ASSOCIATED WITH PROSTATE CANCER RISK AND AGGRESSIVENESS IN NIGERIAN MEN?

Kehinde Adeyinka¹, Taiwo Aremu², Atara Ntekim³, Adeniyi Adenipekun³, Augustine Takure³, Solomon Rotimi⁴

¹University College, Ibadan, NG

²University of Minnesota, Minneapolis, MN

³University of Ibadan, Ibadan, NG

⁴Covenant University, Ota, NG

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DETECTING BREAST CANCER RELAPSES IN 15F-FLUORODEOXYGLUCOSE POSITRON EMISSION TOMOGRAPHY REPORTS USING NATURAL LANGUAGE PROCESSING

Chantal Percival, Christy Kwok, Gregory Arbour, Damien Fung, Kathryn Isaac, Raymond Ng, Alan Nichol
University of British Columbia, Vancouver, BC

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A SYSTEMATIC REVIEW OF PROGNOSTIC FACTORS IN PATIENTS WITH CANCER RECEIVING PALLIATIVE RADIOTHERAPY: EVIDENCE-BASED RECOMMENDATIONS

Alexander Tam¹, Emanuela Scarpi², Marco Cesare Maltoni³, Romina Rossi⁴, Alysa Fairchild⁵, Kristopher Dennis⁶, Marcus Vaska⁷, Marc Kerba¹

¹University of Calgary, Calgary, AB

²IRCCS Istituto Romagnolo per lo Studio dei Tumori, Meldola, IT

³University of Bologna, Bologna, IT

⁴ISRT, Meldola, IT

⁵University of Alberta, Edmonton, AB

⁶University of Ottawa, Ottawa, ON

⁷Tom Baker Cancer Centre, Calgary, AB

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CLINICAL IMPLEMENTATION OF SAME DAY VOLUMETRIC MODULATED ARC THERAPY IN A RAPID ACCESS PALLIATIVE RADIOTHERAPY CLINIC USING AN AUTOMATED PLANNING SCRIPT

Benjamin Mou¹, Maryam Golshan¹, Leigh Bartha¹, Leanna Drummond¹, David Hoegler¹, Nick Chng², Nathan Becker¹

¹British Columbia Cancer Kelowna, Kelowna, BC

²British Columbia Cancer Prince George, Prince George, BC

89

ENHANCING PATHOLOGICAL COMPLETE RESPONSE IN BREAST CANCER WITH NEOADJUVANT CHEMORADIOTHERAPY: INSIGHTS FROM A RETROSPECTIVE STUDY

Jan Haussmann¹, Danny Jazmati¹, Stefanie Corradini², Balint Tamaskovics¹, Edwin Boelke¹, Carolin Nestle-Kraemling³, Sylvia Wolland⁴, Wilfried Budach¹, Christiane Matuschek¹

¹Heinrich Heine University, Dusseldorf, DE

²University Hospital LMU, Munich, DE

³EVK Dusseldorf, Dusseldorf, DE

⁴Sana Clinic Gerresheim, Dusseldorf, DE

90

EFFECT OF TREATMENT DELIVERY SCHEDULE FOR EARLY-STAGE NON-SMALL CELL LUNG CANCER PATIENTS TREATED WITH STEREOTACTIC ABLATIVE RADIATION THERAPY: A POPULATION-BASED ANALYSIS

John Paul Abrina¹, Sarah Baker², Ella Mae Cruz-Lim¹, Nick Chng³, Allison Ye³, Shrinivas Rathod⁴, Julianna Caon⁵, Devin Schellenberg², Mitchell Liu⁶, Benjamin Mou¹

¹British Columbia Cancer Kelowna, Kelowna, BC

²British Columbia Cancer Surrey, Surrey, BC

³British Columbia Cancer Prince George, Prince George, BC

⁴British Columbia Cancer Abbotsford, Abbotsford, BC

⁵British Columbia Cancer Victoria, Victoria, BC

⁶British Columbia Cancer Vancouver, Vancouver, BC

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SBRT FOR OLIGOPROGRESSIVE METASTASES TO THE ADRENAL GLAND: A SINGLE INSTITUTE
RETROSPECTIVE REVIEW

Vibhay Pareek, Mansi Barthwal, Rashmi Koul, Bashir Bashir, Arbind Dubey, Florence Mutua, Julian Kim
CancerCare Manitoba, Winnipeg, MB

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CLINICAL IMPLEMENTATION OF A NOVEL RE-IRRADIATION TREATMENT PLANNING WORKFLOW

Haley Patrick¹, Nick Chng², Emma Dunne¹, Mitchell Liu¹, Marie-Laure Camborde¹, Robert Kosztyla¹,
Samantha Lloyd¹, Susan Zhang¹, Alanah Bergman¹

¹British Columbia Cancer Vancouver, Vancouver, BC

²British Columbia Cancer Prince George, Prince George, BC

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RT CYBER RESILIENCE: FEASIBILITY OF A MOBILE ARIA OFFLINE CART (MARIO CART) FOR VARIAN LINEAR
ACCELERATORS

Nick Chng¹, Nial Pye², Carrie-Lynne Swift², Joe Ho², Allison Tammark², James Loudon², Wayne Beckham³,
Devin Schellenberg⁴

¹British Columbia Cancer Prince George, Prince George, BC

²British Columbia Cancer Vancouver, Vancouver, BC

³British Columbia Cancer Victoria, Victoria, BC

⁴British Columbia Cancer Surrey, Surrey, BC

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OUTCOMES AFTER DEFINITIVE RADIATION FOR EARLY-STAGE GLOTTIC CANCER IN THE MODERN ERA OF
RADIOTHERAPY

Terence Tang¹, Jane Lin¹, Eric McArthur², Adam Mutsaers², Rohann Correa², Pencilla Lang², Nancy Read²,
David Palma², Christopher Goodman²

¹Western University, London, ON

²London Health Sciences Centre, London, ON

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VOLUMETRIC MODULATED ARC THERAPY FOR DELIVERING 26GY IN FIVE FRACTIONS USING THE FAST-
FORWARD PROTOCOL IN ULTRA-HYPOFRACTIONATED WHOLE BREAST RADIATION THERAPY FOR
BREAST CANCER

Jee Suk Chang, Seo Hee Choi, Jin Sung Kim
Yonsei University, Seoul, KR

96

INTERNATIONAL UTILIZATION OF SABR FOR EARLY-STAGE NSCLC: ARE WE ALL SPEAKING THE SAME
LANGUAGE?

Salem Alfaifi¹, Alexander Louie², Shankar Siva³, Matthias Guckenberger⁴, Gregory Videtic¹, Faiz Alshafa⁵,
Hamza AlGhamdi⁵, Kristin Higgins⁶, Kevin Stephans¹, Erin Gillespie⁷, Layth Mula-Hussain⁸, Stephen
Harrow⁹, David Palma¹⁰

¹Cleveland Clinic, Cleveland, OH

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