



Interprofessional Collaboration: **Better Together**


CARO-COMP Joint Scientific Meeting

September 20-23, 2023 • Hôtel Le Centre Sheraton Montréal

www.caro-acro.ca

www.comp-ocpm.ca

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Wi-Fi Network: Sheraton_Conference Code: carocomp2023	  #CAROCOMPJSM #CAROCOMP2023 @caro_acro_ca @MedphysCA
 Wednesday, September 20, 2023.	 17-18
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General Information

Program Objectives:

At the end of the conference, the participants will be able to:

- Understand the importance of inter-professional collaboration for the delivery of high-quality, patient-centered cancer care.
- Apply evidence-based recommendations for implementing advanced radiotherapy techniques.
- Describe current Canadian-led research initiatives within radiation oncology, medical physics, radiation therapy and allied health.
- Discuss challenges and opportunities related to equity, inclusivity, and access to radiotherapy in Canada.

Accreditation

Session Interactivity Breakdown

- 15-minute Oral Presentation will comprise of an 11 minute talk with 4 minutes for question and answer period.
- 10-minute Oral Presentations will comprise of a 7 minute talk with 3 minutes for question and answer period.
- 5-minute Oral Presentation for Poster Discussion Sessions will comprise of a 3.5 minute talk with 1.5 minutes for question and answer period.

Canadian Association of Medical Radiation Technologists

The following sessions were approved for Category A credit.

Program Title 1:	Day 1 AM sessions CARO-COMP JSM 2023 – Interprofessional Collaboration: Better Together
RCEEM Reference Number:	CARO-2023-122
RCEEM Reference Expiration Date:	September 23, 2024
Category “A” Credit:	4.00 Category A Credit for full attendance for full attendance of AM sessions (Sep 21, 2023)
Program Title 2:	Day 1 PM sessions CARO-COMP JSM 2023 – Interprofessional Collaboration: Better Together
RCEEM Reference Number:	CARO-2023-123
RCEEM Reference Expiration Date:	September 23, 2024
Category “A” Credit:	3.50 Category A Credit for full attendance for full attendance of PM sessions (Sep 21, 2023)
Program Title 3:	Day 2 AM sessions CARO-COMP JSM 2023 – Interprofessional Collaboration: Better Together
RCEEM Reference Number:	CARO-2023-124
RCEEM Reference Expiration Date:	September 23, 2024
Category “A” Credit:	4.00 Category A Credit for full attendance for full attendance of AM sessions (Sep 22, 2023)
Program Title 4:	Day 2 PM sessions CARO-COMP JSM 2023 – Interprofessional Collaboration: Better Together
RCEEM Reference Number:	CARO-2023-125
RCEEM Reference Expiration Date:	September 23, 2024
Category “A” Credit:	3.50 Category A Credit for full attendance of PM sessions (Sep 22, 2023)
Program Title 5:	Day 3 CARO-COMP JSM 2023 – Interprofessional Collaboration: Better Together
RCEEM Reference Number:	CARO-2023-126
RCEEM Reference Expiration Date:	September 23, 2024
Category “A” Credit:	6.25 Category A Credit for full day attendance (Sep 23, 2023)

University of Toronto Accreditation

This continuing professional development activity is held under the auspices of Continuing Professional Development, Temerty Faculty of Medicine, University of Toronto and the Canadian Association of Radiation Oncology.

Royal College of Physicians and Surgeons of Canada – Section 1

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, approved by Continuing Professional Development, Temerty Faculty of Medicine, University of Toronto. You may claim a maximum of # **hours (credits are automatically calculated)**.

The American Medical Association – AMA PRA Category 1

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:

<https://www.ama-assn.org/education/ama-pra-credit-system/agreement-royal-college-physicians-surgeons-canada>

European Union for Medical Specialists (EUMS) ECMEC

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

CAMPEP

The 2023 CARO-COMP Joint Scientific Meeting has been approved by CAMPEP for **40 MPCEC credits**.

General Information



CARO Board of Directors (2021-23)

Jolie Ringash, President
 David Roberge, President-Elect
 Corinne Doll, Past President
 Michael McKenzie, Secretary Treasurer
 Andrew Arifin
 Fabio Cury
 William Foster
 Caroline Holloway
 Shaun Loewen
 Jason Pantarotto
 Teri Stuckless
 Amandeep Taggar



COMP Board of Directors (2022-23)

Boyd McCurdy, President
 Wayne Beckham, Past-President
 Kathleen Surry, Vice President
 Amanda Cherpak, Secretary
 Young Lee, Treasurer
 Lesley Baldwin
 Erika Brown
 Charles Kirkby
 Ives Levesque
 Michelle Nielsen
 Geordi Pang
 Marija Popovic



CARO-COMP JSM Committee

Jennifer Croke, Co-Chair
 Patricia Lindsay, Co-Chair
 Michael McKenzie, Secretary/Treasurer
 Joanne Alfieri
 Andrew Arifin
 Alanah Bergman
 Maroie Barkati
 Nathan Becker
 Astrid Bilfalk-Kelly
 Erika Brown
 Khadija Cutcher
 Marc Gaudet
 Sarah Hamilton
 Mary Hooey
 Paris-Ann Ingledew
 Brian Liszewski
 Samantha Lloyd
 Lee MacDonald
 Kevin Martell
 Jolie Ringash

September 20-23, 2023

Speakers

Keynote Speakers

Maroie Barkati – Canadian Brachytherapy Group
 Michael Evans – COMP Gold Medal
 David Hodgson – Gold Medal and Gordon Richards Lecture

Uwe Oelfke – COMP Keynote
 Mei-Ling Yap – CARO Lecture



Resident Refresher Course Speakers

Anne-Marie Charpentier
 Jennifer Croke
 Tarek Hijal

Caroline Holloway
 Valerie Panet-Raymond
 Jeff Winter/Jennifer Croke

Theme Symposium Speakers

Amanda Caissie
 Caitlin Gillan
 John Kildea
 James Tsui

CARO Research and Mentorship Award Recipients

Ruijia (Rachel) Jin
 Raphael Rezkallah
 Edward Wang
 Aaron Dou
 Pamela Psarianos

Brandon Chai
 Victoria Anthes
 Breanna Fang
 Sarah Keys



General Information

CROF Yoga

QUIET YOUR MIND. FREE YOUR BODY.

YO-GO FOR RO!

FRIDAY, SEPTEMBER 22, 2023
TIME: 12:45PM – 1:15PM ET
MONTREAL, QUEBEC

CROF Canadian Radiation Oncology Foundation
FCRO Fondation canadienne de radio-oncologie

CROF Fun Run/Walk

LACE UP!

CROF RUN/WALK IN SUPPORT OF THE DR. PAMELA CATTON SUMMER STUDENTSHIP

THURSDAY, SEPTEMBER 21, 2023
TIME: 5:40PM – 6:40PM ET
MONTREAL, QUEBEC

CROF Canadian Radiation Oncology Foundation
FCRO Fondation canadienne de radio-oncologie

Running Route

Walking Route

CROF Run/Walk in Support of the Dr. Pamela Catton Summer Studentship

CROF supports professional education and scientific research in radiation medicine, as well as educational programs to enhance public awareness of the crucial role of Radiation Oncology in national cancer care.

September 20-23, 2023

Letter from the Presidents



WELCOME to Montréal and the first Joint Scientific Meeting since 2018 for our sister organizations, the Canadian Association of Radiation Oncology (CARO) and the Canadian Organization of Medical Physicists (COMP). Together, under the guidance and leadership of our conference organization committee co-chaired by Jennifer Croke from CARO and Patricia Lindsay from COMP, we have created an exceptional scientific program, under the theme ***Interprofessional Collaboration: Better Together.***

The program has been designed to highlight and reinforce the collaborative nature of our work. It includes symposia that will be broadly applicable across the radiation oncology and medical physics disciplines, themed oral and poster sessions, helpful workshops, and opportunities to network as well as engage with our industry partners. Several networking events are planned, including the welcome reception, student night out, fun run, and the poster reception. As always, we are very grateful for the extraordinary help of our meeting organizer, the administrative support of our respective organizations, and the generous support of our corporate sponsors — without each of these elements a meeting of this quality would not be possible!

We are grateful to all those on the Planning Committee who have voluntarily contributed countless hours and significant efforts to bring this meeting to its fruition. We are delighted with the engagement and scientific contributions from members of each of our professional groups that promise to make the meeting a success. Please take this opportunity to enjoy the cross-disciplinary opportunities to engage with the members of each of our groups.

We look forward to feedback about how we can continue to improve our scientific meetings and our activities in general.

In the meantime, we are delighted to be “Better Together”, and look forward to interacting with all of you during the meeting.

Please enjoy CARO-COMP 2023 JSM!

Your CARO-COMP Presidents,

Dr. Jolie Ringash and Dr. Boyd McCurdy

Lettre du Présidents



BIENVENUE à Montréal et à la première Réunion scientifique conjointe depuis 2018 pour nos organisations soeurs; l'Association canadienne de radio-oncologie (ACRO) et l'Organisation canadienne des physiciens médicaux (OCPM). Ensemble et sous la direction et le leadership du comité d'organisation des conférences, coprésidé par Jennifer Croke de l'ACRO et Patricia Lindsay de l'OCPM, nous avons créé un programme scientifique exceptionnel, sous le thème « *Collaboration interprofessionnelle – Ensemble, c'est mieux* ».

Le programme a été conçu pour mettre en évidence et renforcer la nature collaborative de notre travail. Il comprend des symposiums – largement applicables aux disciplines de la radio-oncologie et de la physique médicale, – des sessions thématiques orales et d'affiches, des ateliers utiles, des opportunités de réseautage, ainsi que des échanges avec nos partenaires de l'industrie. Plusieurs événements de réseautage sont prévus, notamment la réception d'accueil, la soirée des étudiants, la Course amicale et la réception des affiches. Comme toujours, nous sommes très reconnaissants d'avoir pu compter sur l'aide extraordinaire de notre coordonnatrice de réunion, sur le soutien administratif de nos organisations respectives et sur le soutien généreux de nos sociétés commanditaires — sans qui un événement de cette qualité n'aurait pas été possible!

Nous remercions tous les membres du comité de planification qui ont volontairement consacré beaucoup de temps et d'efforts à la réalisation de cette réunion. Nous nous réjouissons de l'engagement et des contributions scientifiques des membres de chacun de nos groupes professionnels qui promettent de faire de cette rencontre un succès. Profitez de cette occasion pour vous engager avec les membres de chacun de nos groupes dans une démarche interdisciplinaire.

C'est avec plaisir que nous attendons vos commentaires sur la manière dont nous pouvons continuer à améliorer nos réunions scientifiques et nos activités en général.

« Ensemble, c'est mieux » et nous attendons avec impatience de pouvoir échanger avec vous tous au cours de la réunion.

Profitez-en de la RSC de l'ACRO et de l'OCPM 2023!

Vos présidents de l'ACRO et de l'OCPM,

D^r Jolie Ringash et D^r Boyd McCurdy

September 20-23, 2023

Letter from the Co-Chairs, Scientific Planning Committee



Dear Colleagues

The CARO-COMP Joint Scientific Meeting is held in partnership between the Canadian Association of Radiation Oncology (CARO) and Canadian Organization of Medical Physicists (COMP), celebrating the collaboration and cooperation between the professionals working in Medical Physics and Radiation Oncology. Our field moves forward in innovation, research, and clinical care only through the collaborative efforts of our professions

and with that in mind, the JSM Committee planned this year's meeting with the theme ***Interprofessional Collaboration: Better Together***.

We commence on Wednesday with the CARO Resident Refresher Course and COMP Young Professional Workshop. The COMP opening keynote address follows on Wednesday evening with Uwe Oelfke, who will be speaking on his work in MR-guided and adaptive radiotherapy and the value of interprofessional collaboration. All participants are encouraged to attend.

We re-convene on Thursday with the Joint Theme Symposium entitled **AI: The Future is Now?** This symposium will include presentations from experts in Radiation Oncology, Medical Physics and Radiation Therapy and lots of opportunity for discussion on the application and role of AI in our professional practice. Following this, the CARO lecture will be given by Mei Ling Yap on the topic of Equity in Access to Radiation Therapy. The meeting will then continue with many exciting sessions, including: the Resident, Fellow and Young Investigator competitions, Women in Radiation Medicine luncheon, CARO Gold Medal and Gordon Richards Lecturer, David Hodgson who will speak on celebrating two decades of exploration and innovation, the COMP Gold Medal Lecturer, Michael Evans, Jean Roy Lecturer, Maroie Barkati and many presentations, posters and workshops.

Participants will have more than one opportunity to recharge their batteries while contributing to the Canadian Radiation Oncology Foundation: Yo-GO for RO on Friday during the lunch period and the Dr. Pamela Catton Memorial Run/Walk for CROF on Friday evening. So... let's Run! Walk! Yo-GO for RO! Pledge! Cheer!

Don't forget to join us at the Welcome Reception on Thursday evening at Le Windsor Ballroom and the Dinner and Awards Ceremony on Friday evening at Cirque Eloize. Transportation will be available.

We hope you enjoy the program which includes practice-changing information, technical innovations, and many opportunities for networking and socializing.

Welcome to Montreal!

Jennifer Croke and Patricia Lindsay
Co-chairs, CARO-COMP JSM

Lettre du Présidentes, Comité de planification scientifique



Chers collègues,

La Réunion scientifique conjointe ACRO-OCMP, qui se tient en partenariat avec l'Association canadienne de radio-oncologie (ACRO et l'Organisation canadienne des physiciens médicaux (OCMP), vise à souligner la collaboration et la coopération entre les professionnels oeuvrant dans les domaines de la physique médicale et de la radio oncologie. C'est seulement grâce aux efforts de collaboration de nos professions que nous pouvons réaliser des progrès en matière d'innovation, de recherche et de soins cliniques. C'est donc dans cet esprit que

le comité de planification a organisé la réunion de cette année sous le thème de la **Collaboration interpersonnelle : c'est mieux ensemble**.

Le congrès commence le mercredi avec la tenue d'un cours de recyclage destiné aux résidents de l'ACRO et d'un atelier à l'intention des jeunes professionnels de l'OCMP. Le discours d'ouverture de l'OCMP suivra le mercredi soir avec Uwe Oelfke, qui parlera de ses travaux dans les domaines de la radiothérapie guidée par IRM et de la radiothérapie adaptative, ainsi que des avantages de la collaboration interprofessionnelle. Tous les participants sont encouragés à y assister.

Nous nous retrouverons de nouveau le jeudi pour le symposium thématique conjoint, intitulé **IA : l'avenir, c'est maintenant?** Ce symposium prévoit des présentations de la part d'experts des domaines de la radio oncologie, de la physique médicale et de la radiothérapie, ainsi qu'une foule d'occasions de discuter de l'utilisation et du rôle de l'IA dans nos activités professionnelles. Après, ce sera place à la conférence de l'ACRO mettant en vedette Mei Ling Yap, qui se penchera sur le sujet de l'équité d'accès à la radiothérapie. La réunion se poursuivra ensuite avec la tenue de diverses activités intéressantes, telles que les compétitions des résidents, des membres et des jeunes chercheurs, le dîner organisé à l'intention des femmes en médecine de rayonnement, l'allocution de David Hodgson, médaillé d'or et conférencier Gordon Richards de l'ACRO, qui mettra en lumière deux décennies d'exploration et d'innovation, l'allocution de Michael Evans, médaillé d'or de l'OCPM, la présentation de la conférencière Jean Roy, Maroie Barkati et de nombreuses autres présentations, affiches et séances.

Les participants auront plusieurs occasions de refaire le plein d'énergie, tout en contribuant à la Fondation canadienne de radio oncologie (FCRO). Citons notamment l'événement de yoga « Yo Go pour la RO » le vendredi à l'heure du dîner et la course/marche amicale commémorative D^{re} Pamela Catton le jeudi soir. Donc... Courez! Marchez! Faites du yoga! Versez des dons! Encouragez!

N'oubliez pas de vous joindre à nous pour la réception de bienvenue le jeudi soir dans la salle de bal Le Windsor, ainsi que pour le souper et la cérémonie remise de prix le vendredi soir au Cirque Éloize. Le transport sera offert.

Nous espérons que ce programme, qui vise à vous présenter des renseignements susceptibles de transformer votre pratique, des innovations techniques et de nombreuses occasions de faire des contacts et de socialiser, vous plaira.

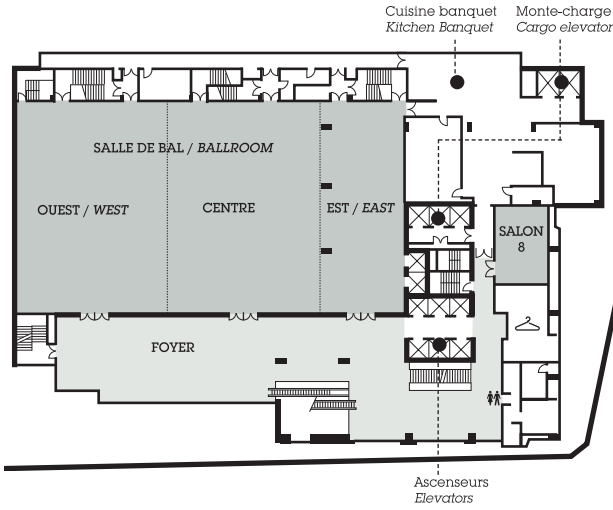
Bienvenue à Montréal!

Jennifer Croke et Patricia Lindsay
Co-présidentes, RSC ACRO OCPM

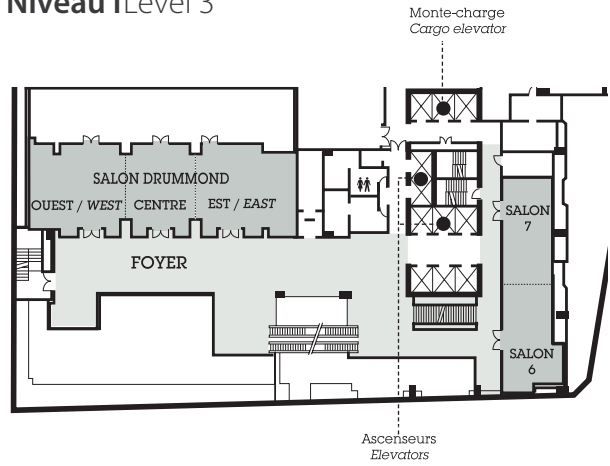
September 20-23, 2023

Conference Floorplan

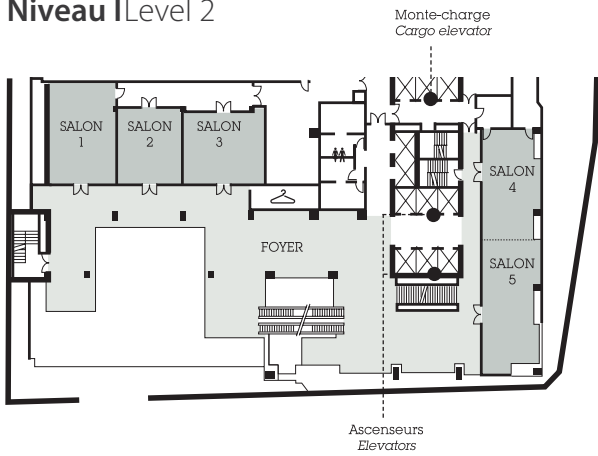
Niveau I Level 4



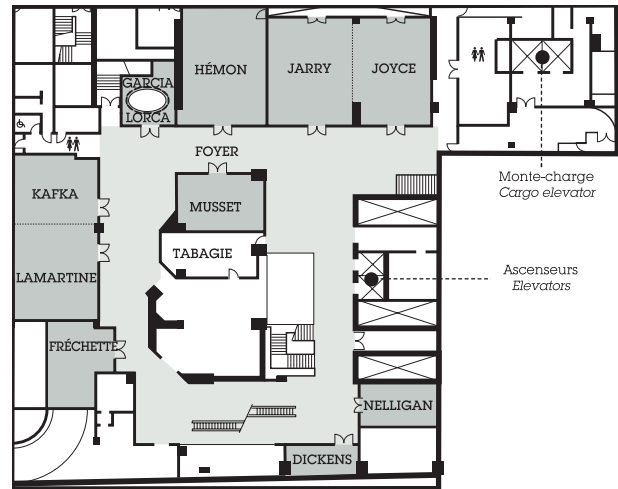
Niveau I Level 3



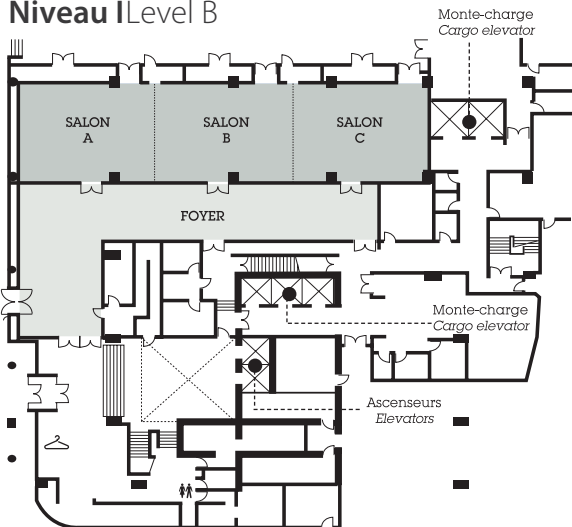
Niveau I Level 2



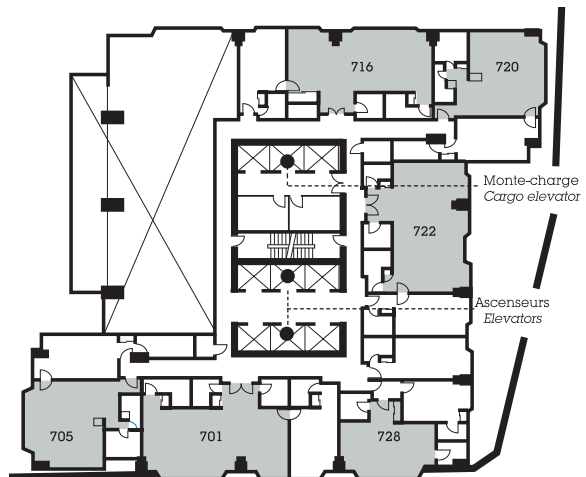
Niveau I Level A



Niveau I Level B



Niveau I Level 7



SHERATON

Schedule-at-a-Glance

TIME	WEDNESDAY, SEPTEMBER 20, 2023		THURSDAY, SEPTEMBER 21, 2023					
7:00			Breakfast and Registration – Level 4					
7:30	Breakfast and Registration – Level 4		Welcome CARO/COMP Presidential Address Joint Theme Symposium Ballroom, Level 4					
8:00								
8:30	CARO Resident Refresher Centre Ballroom Level 4	COMP Young Professionals Ovest Ballroom Level 4	COMP Board Lamartine Level A	Break/Exhibits – Level 4				
9:00								
9:30				CARO Lecture Ballroom, Level 4				
10:00				Resident Competition and Young Investigator Ballroom, Level 4				
10:30				Women in Radiation Medicine, Kafka/Lamartine, Level A	Lunch/Exhibits – Level 4			
11:00								
11:30				Resident Competition and Young Investigator Ballroom, Level 4				
12:00				Break – Level 4				
12:30				CARO Mentorship Session		CARO 1 Ovest, Level 4	CARO-COMP 1 Salon A/B, Level B	COMP 1 Centre, Level 4
1:00								
1:30	Trainees Reception Stanley, Lobby Level		Break/Exhibits – Foyer, Level 4					
2:00			Poster Viewing Reception – Drummond, Level 3		Medical Physics for World Benefit Centre Level 4			
2:30			Fun Run/Walk					
3:00			Welcome Reception The Windsor Ballrooms					
3:30								
4:00								
4:30								
5:00								
5:30								
6:00								
6:30								
7:00	CARO Board Meeting Musset, Level A							
7:30								
8:00								
8:30								
9:00								
9:30								
10:00								

Please refer to the full program for exact times.

LEGEND			
	CARO Themes		Joint CARO COMP Themes
	COMP Themes		Workshops

Schedule-at-a-Glance

TIME	FRIDAY, SEPTEMBER 22, 2023			SATURDAY, SEPTEMBER 23, 2023		
7:00	CARO AGM Ballroom, Level 4	Breakfast and Registration – Level 4		Breakfast and Registration – Level 4		
7:30						
8:00	CARO Gold Medal and Gordon Richards Lecture Ballroom, Level 4			Jean Roy Lecture Centre, Level 4		
8:30						
9:00	COMP Gold Medal Ballroom, Level 4			Break – Level 4		
9:30						
10:00	Break/Exhibits – Level 4			CARO 6 Ouest, Level 4	CARO-COMP 4 Salon ABC, Level B	COMP 6 Centre, Level 4
10:30	CARO 2 – Fellow Competition – Ouest, Level 4		COMP 2 Centre, Level 4	CARO Poster Discussion –Ouest Level 4	CARO-COMP Poster Discussion – Salon ABC, Level B	COMP Poster Discussion – Centre, Level 4
11:00						
11:30	CARO 3 – CBG Oral Ouest, Level 4		COMP 3 Centre, Level 4	Break – Level 4		
12:00						
12:30	Lunch/Exhibits – Level 4			CARO 7 Ouest, Level 4	CARO-COMP 5 Centre, Level 4	COMP 7 Salon ABC, Level B
1:00				Yoga, Salon 5, Level 2		
1:30				Plenary Abstracts Centre, Level 4		
2:00	CARO 4 Ouest, Level 4	CARO-COMP 2 Ouest, Level 4	COMP 4 Ouest, Level 4			
2:30				Closing Remarks		
3:00	CARO 5 Ouest, Level 4	CARO-COMP 3 Ouest, Level 4	COMP 5 Ouest, Level 4			
3:30				Please refer to the full program for exact times.		
4:00	Workshops 1, 2, 3, 4					
4:30	Please refer to page 38 of the program for location.					
5:00						
5:30						
6:00	Buses start departing					
6:30						
7:00						
7:30	Dinner and Awards Ceremony Cirque Eloize					
8:00						
8:30						
9:00						
9:30						
10:00						

LEGEND

CARO Themes
 COMP Themes

Joint CARO COMP Themes
 Workshops

Horaire en un coup d'œil

HEURE	MERCREDI 20 SEPTEMBRE 2023		JEUDI 21 SEPTEMBRE 2023						
7 h 00			Petit-déjeuner 7 h 30 et inscription – Niveau 4						
7 h 30	Petit-déjeuner et inscription – Niveau 4		Allocation de bienvenue présidentielle ACRO-OCMP Symposium thématique conjoint Salle de bal, Niveau 4						
8 h 00									
8 h 30	ACRO Cours de recyclage destiné aux résidents Salle de bal centrale – Niveau 4	OCMP Jeunes profession- nelles Salle de bal Ouest – Niveau 4	OCMP Board Lamartine Level A	Pause/expositions – Niveau 4					
9 h 00									
9 h 30									
10 h 00									
10 h 30									
11 h 00									
11 h 30									
midi									
12 h 30						Femmes en médecine de rayonnement, Salons Kafka/ Lamartine, Niveau A		Dîner/expositions – Niveau 4	
13 h 00								Compétition des résidents et des jeunes chercheurs Salle de bal, Niveau 4	
13 h 30			Compétition des résidents et des jeunes chercheurs Salle de bal, Niveau 4						
14 h 00			Pause – Niveau 4						
14 h 30			ACRO 1 Ouest, Niveau 4	ACRO-OCMP 1 Salons A/B, Niveau B	OCMP 1 Centre, Niveau 4				
15 h 00	Séance de mentorat de l'ACRO		Pause/expositions – Foyer, Niveau 4						
15 h 30	Réception pour les stagiaires Salon Stanley, Lobby		Réception de la présentation des affiches – Salon Drummond, Niveau 3		Medical Physics for World Benefit Centre Niveau 4				
16 h 00			Discours d'ouverture de l'OCMP Salle de bal, niveau 4						
16 h 30			Course/marche amicale						
17 h 00									
17 h 30									
18 h 00									
18 h 30									
19 h 00	Réunion du conseil de l'ACRO Salon Musset, Niveau A		Sortie des étudiants de l'OCMP Thomson House, Ballroom (3 rd Floor) 3650 Rue McTavish						
19 h 30			Réception de bienvenue Salles de bal Le Windsor						
20 h 00									
20 h 30									
21 h 00									
21 h 30									
22 h 00									

Veillez consulter le programme intégral pour connaître les heures exactes.

LÉGENDE

Thèmes de l'ACRO

Thèmes de l'OCMP

Thèmes conjoints de l'ACRO et de l'OCMP

Ateliers

Du 20 au 23 septembre

Horaire en un coup d'œil

HEURE	VENDREDI 22 SEPTEMBRE 2023			SAMEDI 23 SEPTEMBRE 2023					
7 h 00	Assemblée annuelle de l'ACRO – Salle de bal, Niveau 4	Petit-déjeuner et inscription – Niveau 4		Petit-déjeuner 7 h 00 et inscription – Niveau 4					
7 h 30									
8 h 00	Conférence Médaille d'or et Gordon Richards de l'ACRO – Salle de bal, Niveau 4			Conférence Jean Roy Centre, Niveau 4					
8 h 30									
9 h 00	Conférence Médaille d'or de l'OCMP Salle de bal, Niveau 4			Pause – Niveau 4					
9 h 30									
10 h 00	Pause/expositions – Niveau 4			ACRO 6 Ouest, Niveau 4	ACRO-OCMP 4 Salon ABC, Niveau B	OCMP 6 Centre, Niveau 4			
10 h 30	ACRO 2 – Compétition des membres – Ouest, Niveau 4	OCMP 2 Centre, Niveau 4		Discussion sur les affiches de l'ACRO – Ouest Niveau 4	ACRO-OCMP Discussion sur les affiches – Salon ABC, Niveau B	Discussion sur les affiches de l'OCMP – Centre, Niveau 4			
11 h 00									
11 h 30	ACRO 3 – Présentations orales du GCC Ouest, Niveau 4	OCMP 3 Centre, Niveau 4		Pause – Niveau 4					
midi									
12 h 30	Dîner/expositions – Niveau 4			ACRO 7 Ouest, Niveau 4	ACRO-OCMP 5 Centre, Niveau 4	OCMP 7 Salon ABC, Niveau B			
13 h 00				Yoga, Salon 5, Niveau 2			Pause – Niveau 4		
13 h 30									
14 h 00	ACRO 4 Ouest, Niveau 4	ACRO-OCMP 2 Ouest, Niveau 4	OCMP 4 Ouest, Niveau 4	Séances plénières pour la présentation de résumés Centre, Niveau 4					
14 h 30									
15 h 00	ACRO 5 Ouest, Niveau 4	ACRO-OCMP 3 Ouest, Niveau 4	OCMP 5 Ouest, Niveau 4	Allocution de clôture					
15 h 30									
16 h 00	Ateliers 1, 2, 3, 4 Veuillez vous référer à la page 38 du programme pour l'emplacement			Veuillez consulter le programme intégral pour connaître les heures exactes.					
16 h 30									
17 h 00	Début du départ des autobus								
17 h 30									
18 h 00	Souper et cérémonie de remise de prix Cirque Éloize								
18 h 30									
19 h 00									
19 h 30									
20 h 00									
20 h 30									
21 h 00									
21 h 30									
22 h 00									

LÉGENDE

 Thèmes de l'ACRO

 Thèmes de l'OCMP

 Thèmes conjoints de l'ACRO et de l'OCMP

 Ateliers

Wednesday, September 20, 2023

TIME	EVENT	ROOM
7:30 – 8:30am	Breakfast and Registration	Level 4
7:30 – 4:00pm	Resident Refresher Course <i>Facilitator: Jennifer Croke</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Review the principles of management and the role of radiotherapy in early stage breast cancer, non-CNS pediatric cancers and CNS tumours. • Explore the evidence and indications for radiotherapy for benign diseases. • Develop a radiotherapy treatment plan evaluation approach. 	Centre Ballroom, Level 4
8:30 – 8:40am	Welcome and Introductions Jennifer Croke	
8:40 – 9:30am	RT for Benign Diseases Caroline Holloway	
9:30 – 10:20am	Extra-cranial / non-CNS peds Anne-Marie Charpentier	
10:20 – 10:50am	Break	
10:50 – 11:40am	Primary CNS Valerie Panet-Raymond	
11:40 – 12:30pm	Early Stage Breast Cancer Tarek Hijal	
12:30 – 2:00pm	Lunch	
2:00 – 3:15pm	Plan Evaluation Jeff Winter/Jennifer Croke	
3:15 – 3:25pm	Closing Remarks Jennifer Croke	
3:25 – 4:25pm	CARO Mentorship Session	
4:30 – 5:30pm	CARO-COMP Trainee Reception	Stanley, Lobby Level
7:00 – 10:00pm	CARO Board Meeting	Musset, Level A

Wi-Fi

Network: Sheraton_Conference
Code: carocomp2023



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September 20-23, 2023

Wednesday, September 20, 2023

TIME	EVENT	ROOM
7:30 – 4:00pm	<p>Young Professionals Day – Dynamics of Interdisciplinarity Sciences & Collaboration in Medical Physics <i>Facilitator: Uwe Oelfke</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Gain Practical Insights into Interdisciplinary Research: Describe experiences, challenges, and successes of interdisciplinary research groups in medical physics. • Develop Effective Collaboration Strategies: Acquire knowledge and skills related to effective strategies for interdisciplinary collaboration, including communication, team dynamics, and project management approaches, employed by successful research groups. • Explore Cutting-Edge Technologies and Techniques: Discover cutting-edge technologies, methodologies, and techniques utilized by interdisciplinary research groups, providing exposure to the latest advancements and opening avenues to explore innovative research avenues. • Expand Professional Network: Connect with established experts and professionals, creating opportunities that can lead to mentorship, collaborations, and potential career prospects. 	Ouest Ballroom, Level 4
7:30 – 8:30am	Breakfast and Registration	Level 4
8:30 – 8:40am	Welcome and Introduction	
8:40 – 10:30am	Young Professionals Workshop	
10:30 – 10:50am	Break	
10:50 – 12:30pm	Canadian Medical Physics Residency Fair	
12:30 – 2:00pm	Lunch	
2:00 – 3:30pm	Science Spoken Succinctly (S3) Competition	
3:30 – 3:40pm	Closing Remarks	
4:30 – 5:30pm	CARO-COMP Trainee Reception	Stanley, Lobby Level
6:00 – 7:00pm	<p>COMP Opening Keynote Speaker <i>Moderator: Boyd McCurdy</i></p> <p>Adapting to Electron Density or Proton Spins? The e³ Paradigms of Adaptive Radiotherapy <i>Uwe Oelfke</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Understand what daily adaptive radiotherapy is. • Understand the challenges in implementing MR-guided adaptive radiotherapy. • Understand the benefits of MR guided adaptive radiotherapy 	Ballroom, Level 4
8:00pm	COMP Student Night Out	Thomson House, Ballroom (3rd Floor) 3650 McTavish St
8:30 – 5:00pm	COMP Board Meeting	Lamartine, Level A

Thursday, September 21, 2023

TIME	EVENT	ROOM
7:00 – 8:00am	Registration and Breakfast	Exhibit Hall Foyer, East Ballroom, Level 4
8:00 – 8:15am	Welcome and Introductions Jolie Ringash, CARO President Boyd McCurdy, COMP President Jeff Cao, CROF Chair Jennifer Croke, Patricia Lindsay, JSM Co-Chairs	Ballroom, Level 4
8:15 – 9:45am	Joint Theme Symposium – AI: The Future is Now? <i>Moderators: Andrew Arifin, Jan Seuntjens</i> Objectives: By the end of this symposium, the participants will be able to: <ul style="list-style-type: none"> • Demonstrate an understanding of the principles of artificial intelligence (AI), including its goals, applications, and tools. • Understand current applications of AI in Radiation Therapy, Medical Physics and Radiation Oncology. • Recognize how AI will impact the future of Radiation Therapy, Medical Physics and Radiation Oncology including opportunities and challenges. • Describe current pan-Canadian initiatives and ongoing collaborations within the field of AI. 	Ballroom, Level 4
8:15 – 8:30am	Under the Hood of AI James Tsui	
8:30 – 8:45am	Applications of Machine Learning/AI in Medical Physics and Medical Imaging John Kildea	
8:45 – 9:00am	How Big Data and AI Work Together to Improve Clinical Care Amanda Caissie	
9:00 – 9:15am	Collaborative Opportunities for AI in Radiation Therapy Caitlin Gillan	
9:15 – 9:45am	Discussion Period	
9:45 – 10:30am	Refreshment Break	Exhibit Hall Foyer, East Ballroom, Level 4
10:30 – 11:15am	CARO Lecture Equity in Access to Radiation Therapy – Opportunities for Collaboration Mei Ling Yap <i>Moderator: Jolie Ringash</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Understand the current global inequities in access to radiation therapy, both within high income and low-and-middle income settings. • Learn about examples of education and training partnerships to address access issues within low-and-middle income countries and the importance of involving multiple craft groups (including radiation oncology, medical physics and radiation therapy). • Understand the importance of turning data on radiation therapy access into action and impact, through health systems research. 	Ballroom, Level 4
11:15 – 11:30am	Question & Answer Period	

Thursday, September 21, 2023

TIME	EVENT	ROOM
11:30 – 12:30pm	<p>Resident and Young Investigator Competition – Abstract #1-6 <i>Moderators: Mei Ling Yap, Uwe Oelfke</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discover the top ranked resident and young investigator research projects in radiation medicine and medical physics across Canada. • Describe the latest radiation oncology and medical physics research taking place in Canada by radiation oncology residents and medical physics graduate students. 	Ballroom, Level 4
11:30 – 11:40am	<p>1 ANALYSIS OF HODGKIN'S LYMPHOMA PATIENTS WITH INCOMPLETE METABOLIC RESPONSE AFTER FIRST-LINE SYSTEMIC THERAPY Donna (MengWen) Liao¹, Mahmood Aminilari³, May Tsao², Sameera Ahmed³, Xiang Y. Ye³, Anca Prica³, Ur Metser³, Amit Singnurkar², David Hodgson³ ¹University of Toronto, Toronto, ON ²Sunnybrook Health Sciences Centre, Toronto, ON ³Princess Margaret Cancer Centre, Toronto, ON</p>	Ballroom, Level 4
11:40 – 11:50am	<p>2 IMPROVING VISUALIZATION AND GUIDANCE FOR BREAST BRACHYTHERAPY: DEVELOPING, COMMISSIONING, AND IMPLEMENTING A HIGH-RESOLUTION ROBOTIC 3D ULTRASOUND SYSTEM Claire Zhang^{1,2}, Shuwei Xing³, Lori Gardi³, Aaron Fenster³, Juanita Crook¹, Deidre Batchelar^{1,2}, Michelle Hilts^{1,2} ¹British Columbia Cancer, Kelowna, BC ²The University of British Columbia Okanagan, BC ³Western University, London, ON</p>	
11:50 – 12:00pm	<p>3 PLASMA EBV DNA IN NASOPHARYNGEAL CANCER (NPC) TREATED WITH DEFINITIVE RADIOTHERAPY (RT) Eric Stutheit-Zhao¹, Andrew Hope¹, John N. Waldron¹, Brian O'Sullivan¹, Jolie Ringash¹, Andrea McNiven¹, Tony Tadic¹, John Kim¹, Ali Hosni Abdalaty¹, Ian King¹, Shao Hui Huang¹, Scott V. Bratman¹, John Cho¹, Ezra Hahn¹, Katrina Rey-McIntyre¹, Lawson Eng², Andrew McPartlin¹, Lillian Siu², Anna Spreafico², C. Jillian Tsai¹ ¹University of Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p>	
12:00 – 12:10pm	<p>4 ASSOCIATION OF ARTIFICIAL INTELLIGENCE-SCREENED INTERSTITIAL LUNG DISEASE WITH RADIATION PNEUMONITIS AND MORTALITY IN LOCALLY ADVANCED NON-SMALL CELL LUNG CANCER Hannah Bacon¹, Nicholas McNeil¹, Tirth Patel², Mattea Welch³, Xiang Y. Ye³, Andrea Bezjak¹, Benjamin H. Lok¹, Srinivas Raman¹, Meredith Giuliani¹, John Cho¹, Alexander Sun¹, Patricia Lindsay¹, Geoffrey Liu³, Sonja Kandel², Chris McIntosh², Tony Tadic¹, Andrew Hope¹ ¹University of Toronto, Toronto, ON ²University Health Network, Toronto, ON ³Princess Margaret Cancer Centre, Toronto, ON</p>	
12:10 – 12:20pm	<p>5 NON-COPLANAR, ADAPTIVE, LUNG PATIENT TREATMENT PLANNING ON A LOW-COST, KILOVOLTAGE, ISOCENTRIC RADIOTHERAPY (KVIRT) SYSTEM Jericho O'Connell¹, Magdalena Bazalova-Carter¹, Michael Weil² ¹University of Victoria, Victoria, BC ²N/A, Half Moon Bay, CA</p>	
12:20 – 12:30pm	<p>6 TRAJECTORY VMAT OPTIMIZATION USING A 4PI INTENSITY MAP Jakob Marshall¹, Marie-Pierre Milette², Benjamin Mou², Andrew Jirasek³, Tony Teke² ¹University of British Columbia, Okanagan, BC ²British Columbia Cancer, Kelowna, BC ³University of British Columbia, Kelowna, BC</p>	

Thursday, September 21, 2023

TIME	EVENT	ROOM
12:30 – 2:00pm	Lunch / Exhibit Hall	Foyer, Level 4
12:45 – 1:45pm	<p>Women in Radiation Medicine Moderators: Mame Daro Faye, Morgan Maher</p> <p>Elevating Equity – Strategies to Promote EDIA in the Clinical Workplace Speakers: Nadia Octave, Danielle Rodin, Yat Man Tsang</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Learn about current focuses of EDIA initiatives within radiation medicine. • Understand the discrepancies that exist within current workplaces by participating in an interactive discussion throughout the session. • Reflect on frameworks and systems which may benefit oneself but which may not benefit others in the same way and understand the power we have for change. 	Kafka/Lamartine, Level A
2:00 – 3:00pm	<p>Resident and Young Investigator Competition – Abstract #7-12 Moderators: Mei Ling Yap, Uwe Oelfke</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Describe the top ranked resident and young investigator research projects in radiation medicine and medical physics across Canada. • Describe the latest radiation oncology and medical physics research taking place in Canada by radiation oncology residents and medical physics graduate students. 	Ballroom, Level 4
2:00 – 2:10pm	<p>7 PREDICTING THE NEED FOR A REPLAN IN OROPHARYNGEAL CANCER: A RADIOMIC, CLINICAL, AND DOSIMETRIC MODEL Tricia Chinnery, Pencilla Lang, Anthony Nichols, Sarah Mattonen Western University, London, ON</p>	
2:10 – 2:20pm	<p>8 STEREOTACTIC BODY RADIOTHERAPY FOR BREAST CANCER SPINAL METASTASES IS ASSOCIATED WITH LOW RATES OF LONG-TERM LOCAL FAILURE AND VERTEBRAL COMPRESSION FRACTURE INDEPENDENT OF MOLECULAR STATUS Bryce Thomsen, Danny Vesprini, Liang Zeng, Sten Myrehaug, Chai-lin Tseng, Jay Detsky, Hanbo Chen, Beibei Zhang, Katarzyna Jerzak, Eshetu Atenafu, Pejman Maralani, Hany Soliman, Arjun Sahgal University of Toronto, Toronto, ON</p>	
2:20 – 2:30pm	<p>9 MACHINE LEARNING PLAN ADAPTATION IMPROVES QUALITY OF ULTRA-HYPOFRACTIONATED ADAPTIVE RADIATION THERAPY FOR PROSTATE CANCER ON A 1.5T MR-LINEAR ACCELERATOR Aly Khalifa¹, Jeff Winter², Tony Tadic², Chris McIntosh¹, Thomas G Purdie² ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p>	
2:30 – 2:40pm	<p>10 LONG-TERM OUTCOMES FOLLOWING FAIRLY BRIEF ANDROGEN SUPPRESSION AND STEREOTACTIC RADIOTHERAPY IN HIGH-RISK PROSTATE CANCER: UPDATE FROM THE FASTR/FASTR-2 TRIALS Terence Tang¹, George Rodrigues^{1,2}, Glenn Bauman^{1,2} ¹Western University, London, ON ²London Health Sciences Centre, London, ON</p>	

Thursday, September 21, 2023

TIME	EVENT	ROOM
2:00 – 3:00pm	Resident and Young Investigator Competition (cont'd)	Ballroom, Level 4
2:40 – 2:50pm	11 CLINICAL UTILITY OF 3D TRANSVAGINAL ULTRASOUND IN GYNECOLOGIC PERINEAL TEMPLATE INTERSTITIAL HIGH-DOSE-RATE BRACHYTHERAPY Devin Van Elburg ¹ , Tyler Meyer ^{1,2} , Kevin Martell ² , Robyn Banerjee ² , Tien Phan ² , Sarah Quirk ^{3,4} , Aaron Fenster ⁵ , Michael Roumeliotis ⁶ ¹ University of Calgary, Calgary, AB ² Tom Baker Cancer Centre, Calgary AB ³ Brigham & Women's Hospital, Boston, MA ⁴ Harvard Medical School, Boston, MA ⁵ Western University, London, ON ⁶ Johns Hopkins University, Baltimore, MD	
2:50 – 3:00pm	12 SAFETY AND EFFICACY OF STEREOTACTIC BODY RADIOTHERAPY FOR ULTRA-CENTRAL THORACIC TUMOURS George Li, Hendrick Tan, Humza Nusrat, Hanbo Chen Joe Chang, Jeevin Shahi, Ian Poon, May Tsao, Yee Yung, Patrick Cheung, Alexander V. Louie Sunnybrook-Odette Cancer Centre, Toronto, ON	
3:00 – 3:30pm	Refreshment Break	
3:30 – 4:30pm	CARO Oral Session 1 – Education and Professional Development – Abstract #13-18 <i>Moderators: Andrew Arifin, Paris Ann Ingledew</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Understand the importance of conducting education and professional development research within radiation oncology • Discover ongoing educational scholars research taking place within radiation oncology. • Discover ongoing professional development research taking place within radiation oncology. 	Quest Ballroom, Level 4
3:30 – 3:40pm	13 IMPACT OF NATIONAL CONFERENCE-ASSOCIATED MEDICAL STUDENT RESEARCH AND MENTORSHIP AWARD IN RADIATION ONCOLOGY ON MEDICAL STUDENTS, RESIDENT MENTORS, AND RESEARCH PROJECT SUPERVISORS Ruijia (Rachel) Jin ¹ , Che Hsuan (David) Wu ² , Meredith Giuliani ³ , Corinne M. Doll ⁴ , Jolie Ringash ³ , Danny Lavigne ⁵ , Paris-Ann Ingledew ¹ ¹ University of British Columbia, Vancouver, BC ² McMaster University, Hamilton, ON ³ University of Toronto, Toronto, ON ⁴ University of Calgary, Calgary, AB ⁵ Université de Montréal, Montréal, QC	
3:40 – 3:50pm	14 CANADIAN NATIONAL SURVEY OF CONTINUING PROFESSIONAL DEVELOPMENT FOR RADIATION ONCOLOGISTS: WHERE ARE THE GAPS AND BARRIERS? Sympascho Young ¹ , Gurjit Parmar ² , Nicolas Siriani-Ayoub ² , Timothy Nguyen ¹ ¹ Western University, London, ON ² University of British Columbia, Vancouver, BC	
3:50 – 4:00pm	15 PATIENT EDUCATION PRACTICES AND PREFERENCES OF INTERPROFESSIONAL RADIATION ONCOLOGY PROVIDERS Jie Jane Chen ¹ , Anna M. Brown ² , Allison E. Garda ³ , Ellen Kim ³ , Sarah A. McAvoy ³ , Subha Perni ³ , Michael K. Rooney ² , MD Kevin Shiu, MD ³ , Kristi L. Tinning ³ , Laura Warren ³ , Daniel W. Golden ³ , Jennifer Croke ⁴ , Radiation Oncology Education Collaborative Study Group (ROECG) Patient Education Working Group N/A ² ¹ University of California, San Francisco, CA ² N/A, Wausau, WI ³ N/A, Rochester, MN ⁴ Princess Margaret Cancer Centre, Toronto, ON	

Thursday, September 21, 2023

TIME	EVENT	ROOM
3:30 – 4:30pm	CARO Oral Session 1 – Education and Professional Development (cont'd)	Ouest Ballroom, Level 4
4:00 – 4:10pm	16 EXPLORING TRENDS IN WORK SATISFACTION, STRESS AND BURNOUT AMONG ONCOLOGISTS AND ONCOLOGY TRAINEES Selena Laprade ^{1,2} , Ege Babadagli ^{1,2} , Gordon Locke ^{1,2} , Joanne Meng ^{1,2} , Angela McNeil ¹ , Julie Renaud ¹ , Elisabeth Cisa-Paré ³ , Jessica Chan ⁴ , Jiheon Song ⁵ , Rajiv Samant ^{1,2} ¹ The Ottawa Hospital Cancer Centre, Ottawa, ON ² University of Ottawa, Ottawa, ON ³ Northern Ontario School of Medicine, Sudbury, ON ⁴ University of British Columbia, Vancouver, BC ⁵ University of Toronto, Toronto, ON	
4:10 – 4:20pm	17 CHALLENGES IN DEFINING OLIGOMETASTATIC DISEASE IN CLINICAL PRACTICE. Inmaculada Navarro-Domenech, Aisling Barry, Jane Tsai, Grace Ma, Philip Wong University of Toronto, Toronto, ON	
4:20 – 4:30pm	18 SUCCESSFUL IMPLEMENTATION OF A RADIATION THERAPIST-LED INTERDISCIPLINARY COURSE FOR LEARNING MALIGNANT SPINAL CORD COMPRESSION MANAGEMENT Yiming Michael Zhu, Brian Chwyl, Susan Fawcett, Fan Yang, Heather Warkentin, Sunita Ghosh, Brock Debenham, Adele Duimering, Mustafa Al Balushi University of Alberta, Edmonton, AB	
3:30 – 4:30pm	CARO-COMP Oral Session 1 – Thoracic and CNS Malignancies – Abstract #19-24 <i>Moderator: Shaun Loewen, Donia MacDonald</i> Objectives: By the end of this session, the participants will be able to: • Understand ongoing research within CNS malignancies. • Understand ongoing research within thoracic CNS malignancies.	Salon ABC, Level B
3:30 – 3:40pm	19 PREDICTING ESOPHAGITIS: A SECONDARY ANALYSIS OF THE PALLIATIVE RADIATION FOR ADVANCED CENTRAL LUNG TUMOURS WITH INTENTIONAL AVOIDANCE OF THE ESOPHAGUS (PROACTIVE) PHASE III RANDOMIZED TRIAL Muhammad I. Karamat ¹ , Douglas A. Hoover ¹ , Patrick V. Granton ² , Alysa Fairchild ³ , Andrea Bezjak ^{4,5} , Darin Gopaul ⁶ , Liam Mulroy ⁷ , Anthony Brade ^{4,8} , Andrew Warner ^{9,1} , Brock Debenham ³ , David Bowes ⁷ , Joda Kuk ⁶ , Alexander Sun ³ , George B. Rodrigues ^{9,1} , David Palma ^{9,1} , Alexander V. Louie ^{10,11} ¹ London Health Sciences Centre, London, ON ² Erasmus Medical Center, Rotterdam, NL ³ University of Alberta, Edmonton, AB ⁴ University of Toronto, Toronto, ON ⁵ Princess Margaret Cancer Centre, Toronto, ON ⁶ Grand River Regional Cancer Centre, Kitchener, ON ⁷ Dalhousie University, Halifax, NS ⁸ Credit Valley Cancer Centre, Toronto, ON ⁹ Western University, London, ON ¹⁰ Carleton University, Ottawa, ON ¹¹ Sunnybrook Health Sciences Centre, Toronto, ON	
3:40 – 3:50pm	20 PNEUMONITIS RISK FOLLOWING COMBINED OSIMERTINIB AND THORACIC RADIOTHERAPY IN EGFR-MUTATED NON-SMALL CELL LUNG CANCER David Y. Mak ¹ , Humza Nusrat ² , Michael Yan ² , Ambika Parmar ² , Ian Poon ² , Yee Ung ² , May Tsao ² , Andrew Warner ³ , Patrick Cheung ² , Alexander V. Louie ² ¹ University of Toronto, Toronto, ON ² Sunnybrook-Odette Cancer Centre, Toronto, ON ³ London Health Sciences Centre, London, ON	

Thursday, September 21, 2023

TIME	EVENT	ROOM
3:30 – 4:30pm	CARO-COMP Oral Session 1 – Thoracic and CNS Malignancies (cont'd)	Salon ABC, Level B
3:50 – 4:00pm	21 NUTRITIONAL INTERVENTIONS TO SUPPORT LUNG CANCER PATIENTS UNDERGOING THORACIC RADIATION: A SYSTEMATIC REVIEW Lise Wolyniuk ² , Andrew N Youssef ² , Alexander V Louie ¹ , Adam Mutsaers ¹ ¹ University of Toronto, Toronto, ON ² Western University, London, ON	
4:00 – 4:10pm	22 DOSE ESCALATED RADIOTHERAPY IS ASSOCIATED WITH IMPROVED OUTCOMES FOR HIGH GRADE MENINGIOMA Arjun Sahgal ¹ , Sten Myrehaug ¹ , Hany Soliman ¹ , Chia-Lin Tseng ¹ , Jay Detsky ¹ , Hanbo Chen ¹ , Mary-Jane Lim-Fat ¹ , Mark Ruschin ¹ , Eshetu Atenafu ² , Julia Keith ¹ , Nir Lipsman ¹ , Chris Heyn ¹ , Pejman Maralani ¹ , Sunit Das ¹ , Farhad Pirouzmand ¹ , K. Liang Zeng ¹ ¹ University of Toronto, Toronto, ON ² University Health Network, Toronto, ON	
4:10 – 4:20pm	23 A RETROSPECTIVE STUDY COMPARING OUTCOMES IN MATCHED PATIENTS WITH POOR PROGNOSIS TREATED WITH TARGETED CONVENTIONAL VOLUMETRIC MODULATED ARC RADIOTHERAPY VERSUS WHOLE BRAIN RADIOTHERAPY FOR BRAIN METASTASES Gurjit Parmar, Timothy Kong, Jeremy Hamm, Mitchell Liu, Shilo Lefresne, Hannah Carolan, Eric Berthelet, Jessica Chan, Alan Nichol University of British Columbia, Vancouver, BC	
4:20 – 4:30pm	24 STEREOTACTIC BODY RADIOTHERAPY FOR POSTERIOR ELEMENT ONLY SPINAL METASTASES: OUTCOMES AND VALIDATION OF RECOMMENDED CLINICAL TARGET VOLUME DELINEATION PRACTICE Laura Burgess ^{1,2} , K. Liang Zeng ^{1,2} , Sten Myrehaug ^{1,2} , Hany Soliman ^{1,2} , Chia-Lin Tseng ^{1,2} , Jay Detsky ^{1,2} , Hanbo Chen ^{1,2} , Daniel Moore-Palhares ^{1,2} , Christopher D. Witiw ^{1,3} , Beibei Zhang ^{1,2} , Pejman Maralani ^{1,4} , Arjun Sahgal ^{1,2} ¹ University of Toronto, Toronto, ON ² Sunnybrook-Odette Cancer Centre, Toronto, ON ³ St. Michael's Hospital, Toronto, ON ⁴ Sunnybrook Health Sciences Centre, Toronto, ON	
3:30 – 4:30pm	COMP Oral Session 1 – Special Topics in Medical Physics – Abstract #25-30 <i>Moderators: Louis Archambault, Joanna Cygler</i> Objectives: By the end of this session, the participants will be able to: • Understand the breadth of research in medical physics. • Discover new areas of medical physics research and innovation.	Centre Ballroom, Level 4
3:30 – 3:40pm	25 DUAL ENHANCEMENT IN THE RADIOSENSITIVITY OF PROSTATE CANCER THROUGH NANOTECHNOLOGY AND CHEMOTHERAPEUTICS Nolan Jackson ¹ , Abdulaziz Alhussan ¹ , Iona Hill ² , Kyle Bromma ¹ , Belal Abousaïda ² , Jessica Morgan ¹ , Yuri Mackeyev ² , Wayne Beckham ³ , Sunil Krishnan ² , Devika Chithrani ¹ ¹ University of Victoria, Victoria, BC ² University of Texas Health Science Center, Houston, TX ³ British Columbia Cancer, Victoria, BC	
3:40 – 3:50pm	26 CLINICAL IMPLEMENTATION OF VMAT BASED TOTAL BODY IRRADIATION Dan Morton, Laura Drever, Cody Crewson, Chantal Perry, Philip Wright Saskatchewan Cancer Agency, Saskatoon, SK	

Thursday, September 21, 2023

TIME	EVENT	ROOM
3:30 – 4:30pm	COMP Oral Session 1 – Special Topics in Medical Physics (cont'd)	Centre Ballroom, Level 4
3:50 – 4:00pm	27 A NOVEL APPROACH TO LONGITUDINAL BEAM STABILITY IN A COMPACT DIELECTRIC WALL ACCELERATOR FOR PROTON THERAPY Christopher Lund ^{1,2} , Paul Jung ^{3,4} , Morgan Maher ^{1,2} , Julien Bancheri ^{1,2} , Thomas Planche ^{4,3} , Rick Baartman ^{3,4} , Jan Seuntjens ^{5,6,7} ¹ McGill University Health Centre, Montréal, QC ² McGill University, Montréal, QC ³ TRIUMF, University of Victoria, BC ⁴ University of Victoria, Victoria, BC ⁵ Princess Margaret Cancer Centre, Toronto, ON ⁶ University Health Network, Toronto, ON ⁷ University of Toronto, Toronto, ON	
4:00 – 4:10pm	28 MEASUREMENT OF NEUTRON DOSE FOR VMAT AND SRS TREATMENT AT ENERGIES BETWEEN 6 AND 10 MV Marco Carlone, Ray Yang, Derek Hyde, Nathan Becker, John Cocarell British Columbia Cancer, Kelowna, BC	
4:10 – 4:20pm	29 POTENTIAL OF GOLD NANOPARTICLES IN CURRENT RADIOTHERAPY USING A CO-CULTURE MODEL OF CANCER CELLS AND CANCER ASSOCIATED FIBROBLASTS Abdulaziz Alhussan ¹ , Nicholas Palmerely ¹ , Julian Smazynski ² , Joanna Karasinska ³ , Daniel J. Renouf ³ , David Scaheffer ⁴ , Wayne Beckham ² , Abraham Alexander ² , Devika Chithrani ¹ ¹ University of Victoria, Victoria, BC ² British Columbia Cancer, Victoria, BC ³ British Columbia Cancer, Vancouver, BC ⁴ University of British Columbia, Vancouver, BC	
4:20 – 4:30pm	30 CHARACTERIZING A NOVEL 4 MV FFF BEAM FOR CLINICAL APPLICATION Isabelle St-Martin ¹ , Ermias Gete ² , Carrie-Lynne Swift ² , Cheryl Duzenli ^{1,2} ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Vancouver, BC	
4:30 – 5:45pm	Refreshment Break/ePoster Viewing Reception	Drummond, Level 3
5:00 – 6:00pm	Medical Physics for World Benefit	Centre Ballroom, Level 4
5:40 – 6:40pm	CROF Run/Walk in Support of the Dr. Pamela Catton Summer Studentship	Meet in the Lobby at 5:35pm
7:30pm	Welcome Reception www.lewindsormontreal.com	The Windsor Ballrooms 1170, rue Peel, Bureau 110 Tel: (514) 393-3588

Friday, September 22, 2023

TIME	EVENT	ROOM
7:00 – 8:00am	Breakfast and Registration	Exhibit Hall Foyer, Level 4
7:00 – 8:00am	CARO AGM	Ballroom, Level 4
8:00 – 8:15am	Welcome Day 2 Patricia Lindsay	Ballroom, Level 4
8:15 – 9:15am	CARO Gold Medal and Gordon Richards Lecture Welcome to CARO 2043: Celebrating Two Decades of Exploration and Innovation David Hodgson <i>Moderator: Normand Laperriere</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Explain why tumours are considered to be complex systems, and the implications for radiation oncology research. • Describe the characteristics of innovation programs that successfully develop in the context of resource constraints. 	Ballroom, Level 4
9:00 – 9:15am	Question & Answer Period	
9:15 – 10:00am	COMP Gold Medal <i>Moderator: John Kildea</i> Gold Medal Award Recipient Michael Evans	Ballroom, Level 4
10:00 – 10:30am	Refreshment Break/Exhibits	Foyer, Level 4
10:30 – 11:30am	CARO Oral Session 2 – Fellow Competition – Abstract #31-36 <i>Moderators: Andrew Arifin, Astrid Bilfalk-Kelly</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Describe ongoing research taking place by radiation oncology fellows. • Discuss the top ranked Canadian Radiation Oncology Fellow research abstracts. 	Ouest Ballroom, Level 4
10:30 – 10:40am	31 PROSPECTIVE LONGITUDINAL ASSESSMENT OF QUALITY OF LIFE AFTER STEREOTACTIC ABLATIVE RADIOTHERAPY FOR OLIGOMETASTASES: ANALYSIS OF THE POPULATION-BASED SABR-5 PHASE II TRIAL Ella Mae Cruz-Lim ^{1,2} , Benjamin Mou ^{1,2} , Sarah Baker ^{1,3} , Gregory Arbour ¹ , Kelsey Stefanyk ¹ , Will Jiang ^{1,3} , Mitchell Liu ^{1,4} , Alanah Bergman ^{1,4} , Devin Schellenberg ^{1,3} , Abraham Alexander ^{1,6} , Tanya Berrang ^{1,6} , Andrew Bang ^{1,4} , Nick Chng ⁵ , Quinn Matthews ⁵ , Hannah Carolan ^{1,4} , Fred Hsu ^{1,7} , Stacy Miller ^{1,5} , Siavash Atrchian ^{1,2} , Elisa Chan ^{1,4} , Clement Ho ^{1,3} , Islam Mohamed ^{1,2} , Angela Lin ^{1,2} , Vicky Huang ³ , Ante Mestrovic ⁶ , Derek Hyde ^{1,2} , Chad Lund ^{1,3} , Howard Pai ^{1,6} , Boris Valev ^{1,6} , Shilo Lefresne ^{1,4} , Scott Tyldesley ^{1,4} , Robert Olson ^{1,5} ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Kelowna, BC ³ British Columbia Cancer, Surrey, BC ⁴ British Columbia Cancer, Vancouver, BC ⁵ British Columbia Cancer, Prince George, BC ⁶ British Columbia Cancer, Victoria, BC ⁷ British Columbia Cancer, Abbotsford, BC	
10:40 – 10:50am	32 RATE OF PACHYMENINGEAL FAILURE FOLLOWING ADJUVANT WBRT VERSUS SRS IN PATIENTS WITH BRAIN METASTASES Enrique Gutierrez Valencia ¹ , Aristotelis Kalyvas ² , Kaiyun Yang ² , Ruth Lau ² , Benazir Khan ¹ , Barbara-Ann Millar ¹ , Normand Laperriere ¹ , Tatiana Conrad ¹ , Alejandro Berlin ¹ , Jessica Weiss ¹ , Xuan Li ¹ , Gelareh Zadeh ² , Mark Bernstein ² , Paul Kongkham ² , David B. Shultz ¹ ¹ Princess Margaret Cancer Centre, Toronto, ON ² University of Toronto, Toronto, ON	

Friday, September 22, 2023

TIME	EVENT	ROOM
10:30 – 11:30am	CARO Oral Session 2 – Fellow Competition (cont'd)	Quest Ballroom, Level 4
10:50 – 11:00am	33 EFFICACY OF ULTRA HYPOFRACTIONED RADIOTHERAPY COMBINED WITH HDR BRACHYTHERAPY Ingrid Sidibé, Marie-Michèle Beaudry, Damien Carignan, Marie-Anne Froment, William Foster, Eric Vigneault, Sindy Magnan, Sylviane Aubin, Janelle Morrier, Eric Poulin, Frédéric Lacroix, Marie-Claude Lavallée, Luc Beaulieu, André-Guy Martin CHU de Québec-Université Laval, Québec City, QC	
11:00 – 11:10am	34 TESTOSTERONE RECOVERY FOLLOWING ANDROGEN SUPPRESSION AND PROSTATE RADIOTHERAPY (TRANSPORT) – UPDATED ANALYSES FROM THE MARCAP CONSORTIUM Wee Loon Ong ^{1,2} , Holly Wilhalme ³ , Jeremy Millar ^{4,5} , Allison Steigler ⁶ , James Denham ⁶ , David Joseph ⁷ , Soumyajit Roy ⁸ , Shawn Malone ⁹ , Nicholas Nickols ³ , Matthew Rettig ³ , Luca Valle ³ , Michael Steinberg ³ , Yilun Sun ^{10,11} , Nicholas Zaorsky ^{10,11} , Daniel Spratt ^{10,11} , Luis Souhami ¹² , Nathalie Carrier ¹³ , Abdenour Nabid ¹³ , Amar U. Kishan ³ ¹ University of Toronto, Toronto, ON ² Sunnybrook-Odette Cancer Centre, Toronto, ON ³ University of California Los Angeles, CA ⁴ Alfred Health, Melbourne, AU ⁵ Monash University, Melbourne, AU ⁶ University of Newcastle, Newcastle, AU ⁷ University of Western Australia, Perth, AU ⁸ Rush University Medical Center, Chicago, IL ⁹ The Ottawa Hospital, Ottawa, ON ¹⁰ University Hospitals Seidman Cancer Center, Cleveland, OH ¹¹ Case Western Reserve University, Cleveland, OH ¹² McGill University Health Centre, Montréal, QC ¹³ Centre hospitalier Universitaire de Sherbrooke, Sherbrooke, QC	
11:10 – 11:20am	35 OUTCOMES FOLLOWING ALTERED FRACTIONATED RADIOTHERAPY ALONE IN PATIENTS WITH TNM-7 STAGE III/IV HEAD AND NECK SQUAMOUS CELL CARCINOMA (HNSCC) Marc Vincent Barcelona ^{1,2} , Shao Hui Huang ^{1,2} , Jie Su ² , Li Tong ^{1,2} , Scott Bratman ^{1,2} , John Cho ^{1,2} , Ezra Hahn ^{1,2} , Andrew Hope ^{1,2} , Ali Hosni Abdalaty ^{1,2} , John Kim ^{1,2} , Andrew McPartlin ^{1,2} , Brian O'Sullivan ^{1,2} , Jolie Ringash ^{1,2} , Lillian Siu ^{1,2} , Anna Spreafico ^{1,2} , Lawson Eng ^{1,2} , Christopher MKL Yao ^{1,2} , Wei Xu ^{1,2} , John Waldron ^{1,2} , Chiaojung Jillian Tsai ^{1,2} ¹ University of Toronto, Toronto, ON ² Princess Margaret Cancer Centre, Toronto, ON	
11:20 – 11:30am	36 DAWN OF STAGING FOR HEAD AND NECK SOFT TISSUE SARCOMA: VALIDATION OF THE NOVEL 8TH EDITION AJCC T CLASSIFICATION AND PROPOSED STAGE GROUPINGS Rohan Salunkhe ¹ , Shao Hui Huang ¹ , Brian O'Sullivan ¹ , Susie Su ¹ , Wei Xu ¹ , Ali Hosni ¹ , John Waldron ¹ , Jonathan Irish ¹ , John deAlmeida ¹ , Ian Witterick ¹ , Eric Monteiro ¹ , Ralph Gilbert ¹ , Albiruni Razak ¹ , Lingxin Zhang ² , Dale Brown ¹ , David Goldstein ¹ , Patrick Gullane ¹ , Li Tong ¹ , Ezra Hahn ¹ ¹ Princess Margaret Cancer Centre, Toronto, ON ² Mount Sinai Hospital, Toronto, ON	

Friday, September 22, 2023

TIME	EVENT	ROOM
10:30 – 11:30am	<p>COMP Oral Session 2 – Radiation Dosimetry – Abstract #37-42 <i>Moderators: Jan Seuntjens, Gabriela Stroian</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Understand current topics of research in Radiation Dosimetry. • Discover novel applications of Radiation Dosimetry research in medical physics. 	Centre Ballroom, Level 4
10:30 – 10:40am	<p>37 DIRECT VALIDATION OF ACUROS XB FOR DOSE-TO-MEDIUM CALCULATIONS IN BONE-SURROGATE USING CALORIMETRY MEASUREMENTS Stanislaw Szpala¹, James Renaud², Bryan Muir², Alexandra Bourguin², Kirpal Kohli¹, Malcolm McEwen² ¹British Columbia Cancer, Surrey, BC ²National Research Council of Canada, Ottawa, ON</p>	
10:40 – 10:50am	<p>38 PLASTIC SCINTILLATOR DOSIMETRY OF ULTRAHIGH DOSE-RATE 200 MEV ELECTRONS AT CLEAR Alexander Hart¹, Cloé Giguère², Nolan Esplen¹, Joseph Bateman³, Pierre Korysko³, Wilfrid Farabolini⁴, Roberto Corsini⁴, Manjit Dosanjh³, Luc Beaulieu², Magdalena Bazalova-Carter¹ ¹University of Victoria, Victoria, BC ²Université Laval, Quebec City, QC ³University of Oxford, Geneva, CH ⁴CERN, Geneva, CH</p>	
10:50 – 11:00am	<p>39 EVALUATION OF ORGAN ABSORBED DOSES IN INTRAOPERATIVE RADIOTHERAPY OF GLIOBLASTOMA David Santiago Ayala Alvarez¹, Peter G F Watson², Marija Popovic², Veng Jean Heng¹, Michael D C Evans², Valerie Panet-Raymond², Jan Seuntjens³ ¹McGill University, Montréal, QC ²McGill University Health Centre, Montréal, QC ³University Health Network, Toronto, ON</p>	
11:00 – 11:10am	<p>40 PROTON THERAPY MEDIATES DOSE REDUCTIONS TO CRITICAL BRAIN ORGANS AT RISK WHICH ARE ASSOCIATED WITH BETTER COGNITION IN CHILDREN WITH MEDULLOBLASTOMA Julianna Sienna¹, Lisa Kahalley², Donald Mabbott³, David Grosshans⁴, Anna Theresa Santiago⁵, Arnold Paulino⁴, Gohar Shahwar Manzar⁴, Hitesh Dama⁵, Murali Chintagumpala⁶, Mehmet Fatih Okcu⁶, William Whitehead⁶, Vijay Ramaswamy⁷, Normand Laperriere⁵, Thomas Merchant⁸, Tim Craig⁵, Derek Tsang⁵ ¹McMaster University, Hamilton, ON ²Baylor College of Medicine, Houston, TX ³University of Toronto, Toronto, ON ⁴The University of Texas MD Anderson Cancer Center, Houston, TX ⁵Princess Margaret Cancer Centre, Toronto, ON ⁶Texas Children's Cancer Center, Houston, TX ⁷Hospital for Sick Children, Toronto, ON ⁸St. Jude Children's Research Hospital, Memphis, TN</p>	
11:10 – 11:20am	<p>41 CALORIMETRIC VERIFICATION OF ELECTRON ULTRA-HIGH DOSE RATE (E-FLASH) DOSIMETRY ON A TRUEBEAM LINAC Cheryl Duzenli¹, Tania Karan², James Renaud³, Bryan Muir³, M. Peter Petric², Don TA¹, Claudia Mendez⁴, Malcolm McEwen³ ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC ³National Research Council of Canada, Ottawa, ON ⁴British Columbia Cancer, Abbotsford, BC</p>	

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TIME	EVENT	ROOM
10:30 – 11:30am	COMP Oral Session 2 – Radiation Dosimetry (cont'd)	Centre Ballroom, Level 4
11:20 – 11:30am	42 RADIATION SURVEY OF A TRUEBEAM LINAC OPERATING IN ELECTRON FLASH-RT MODE Andrew K. H. Robertson, Amy Frederick, Sheila MacMahon, M. Peter Petric British Columbia Cancer, Vancouver, BC	
11:30 – 12:30pm	CARO Oral Session 3– Canadian Brachytherapy Group – Abstract #43-47, 161 <i>Moderators: Mark Corkum, Corinne Doll</i> Objectives: By the end of this session, the participants will be able to: • Discover ongoing brachytherapy research taking place within radiation oncology. • Discuss the top ranked brachytherapy research abstracts.	Ouest Ballroom, Level 4
11:30 – 11:40am	43 BRACHYTHERAPY-ON-CHIP: A MICROFLUIDIC SETUP FOR IN VITRO INTERROGATION OF HYPOXIC SPHEROIDS Rodin Chermat ^{1,2} , Elena Refet-Mollof ^{1,2} , Yuji Kamio ³ , Jean-François Carrier ^{1,3} , Philip Wong ^{1,4} , Thomas Gervais ^{1,2} ¹ Centre de Recherche du Centre Hospitalier de l'Université de Montréal (crCHUM), Montréal, QC ² Polytechnique Montréal, Montréal, QC ³ Centre Hospitalier de l'Université de Montréal, Montréal, QC ⁴ Princess Margaret Cancer Centre, Toronto, ON	
11:40 – 11:50am	44 DOSIMETRIC PARAMETERS PREDICTIVE OF TREATMENT-RELATED TOXICITY IN HIGH DOSE-RATE BRACHYTHERAPY AS MONOTHERAPY FOR PROSTATE CANCER Jiheon Song, Mark Corkum, Andrew Loblaw, Hans Chung, Chia-Lin Tseng, Patrick Cheung, Ewa Szumacher, Stanley Liu, William Chu, Melanie Davidson, Matt Wronski, Liying Zhang, Alexandre Mamedov, Gerard Morton University of Toronto, Toronto, ON	
11:50 – 12:00pm	45 HEALTH-RELATED QUALITY OF LIFE AFTER COMBINED EXTERNAL BEAM AND EITHER HIGH DOSE RATE (HDR) OR LOW DOSE RATE (LDR) BRACHYTHERAPY: DID THE RECTAL DOSE FROM THE LDR BRACHYTHERAPY MAKE A DIFFERENCE? Felipe Castro-Canovas ^{1,2} , Cynthia Araujo ^{1,2} , Juanita Crook ^{1,2} , Gregory Arbour ² , Deidre Batchelar ^{1,2} , Nikitha Moideen ^{1,2} , Michelle Hilts ^{1,2} , Ross Halperin ¹ , David Kim ¹ , David Petrik ¹ , Jim Rose ¹ , Francois Bachand ^{1,2} ¹ British Columbia Cancer, Kelowna, BC ² University of British Columbia, Vancouver, BC	
12:00 – 12:10pm	46 PATTERNS OF RELAPSE AND BIOCHEMICAL CONTROL IN INTERMEDIATE RISK PROSTATE CANCER TREATED WITH HIGH DOSE RATE BRACHYTHERAPY (HDRB) MONOTHERAPY Constanza Martinez ¹ , Jayson Paragas ¹ , Luis Souhami ¹ , Simon Gauvin ¹ , Leticia Alvaredo ¹ , Richard Sioufi ² , Gabriela Stroian ¹ , Doris Marti ¹ , Marie Duclos ¹ ¹ McGill University, Montréal, QC ² Centre Hospitalier Anna Laberge, Chateauguay, QC	
12:10 – 12:20pm	47 LONG-TERM DISEASE-FREE SURVIVAL AND HEALTH-RELATED QUALITY OF LIFE RESULTS OF HIGH-DOSE-RATE BRACHYTHERAPY AS MONOTHERAPY FOR LOW AND INTERMEDIATE-RISK PROSTATE CANCER TREATED IN A COMMUNITY CANCER CENTRE Raphael Rezkallah ¹ , Pierre-Yves McLaughlin ¹ , Alain Haddad ² , Mathieu Pharand-Charbonneau ³ , Debbie Wright ³ , Marc Gaudet ² ¹ McGill University, Montréal, QC ² University of Ottawa, Ottawa, ON ³ Hôpital de Gatineau, Gatineau, QC	

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TIME	EVENT	ROOM
11:30 – 12:30pm	CARO Oral Session 3 – Canadian Brachytherapy Group (cont'd)	Ouest Ballroom, Level 4
12:20 – 12:30pm	161 REAL-TIME RADIOBIOLOGICAL MODELLING: THE DEVELOPMENT OF A TOOL FOR ON-THE-FLY BED ASSESSMENT FOR HDR BRACHYTHERAPY Matthew Mouawad ¹ , Niranjan Venugopal ^{1,2} ¹ CancerCare Manitoba, Winnipeg, MB ² University of Manitoba, Winnipeg, MB	
11:30 – 12:30pm	COMP Oral Session 3 – Treatment Planning – Abstract #49-54 <i>Moderators: Cheryl Duzenli, Horacio Patrocinio</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> Understand applications of treatment planning to advance radiotherapy treatment. Recognize novel research in the area of Radiotherapy treatment planning. 	Centre Ballroom, Level 4
11:30 – 11:40am	49 NOPAUSE: DEVELOPMENT AND VALIDATION OF CLINICAL PROTOCOLS FOR A NOVEL VMAT PLAN AUTOMATION SYSTEM Nick Chng ¹ , Stacy Miller ² , Robert Olson ² ¹ British Columbia Cancer, Prince George, BC ² University of British Columbia, Vancouver, BC	
11:40 – 11:50am	50 IN-HOUSE SCRIPTING AND 3D PRINTING PROCESS FOR CUSTOM FLEXIBLE SILICONE BOLUS CREATION Quinn Matthews, Nathan Smela, Kim Lawyer, Nick Chng British Columbia Cancer, Prince George, BC	
11:50 – 12:00pm	51 DOSIMETRIC AND QUALITATIVE EVALUATION OF MAGNETIC RESONANCE FOR CALCULATING ATTENUATION (MRCAT) FOR HEAD AND NECK RADIOTHERAPY Allan Hupman, Lee Chin, Melanie Davidson University of Toronto, Toronto, ON	
12:00 – 12:10pm	52 AUTOMATED TANGENTS-ONLY TREATMENT PLANNING FOR BREAST CANCER RADIOTHERAPY USING THE ECLIPSE SCRIPTING APPLICATION PROGRAMMING INTERFACE (ESAPI) Muhammad I. Karamat ¹ , Owen T. Karnas ² , Jamiel Nasser ³ , Jason Vickress ^{2,1} , Scott Karnas ^{2,1} , Jonatan Snir ^{2,1} , Jeff Kempe ¹ , Jennifer Neeb ¹ , Wendy Wells ¹ , Diana SlegersKrekewich ¹ , Stewart Gaede ^{2,1} ¹ London Health Sciences Centre, London, ON ² Western University, London, ON ³ University of Waterloo, Waterloo, ON	
12:10 – 12:20pm	53 AUTOPLANNING SOFTWARE FOR 3D PRINTABLE INTERSTITIAL GYNECOLOGICAL BRACHYTHERAPY TEMPLATES Michael Kudla ¹ , Francois Bachand ² , Deidre Batchelar ² , Tony Teke ² ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Kelowna, BC	
12:20 – 12:30pm	54 FEASIBILITY STUDY AND DOSIMETRIC EVALUATION OF A VMAT TECHNIQUE FOR PARTIAL BREAST IRRADIATION Hedi Mohseni, Michelle Chan, Alana Pellizzari, Teodor Stanescu Princess Margaret Cancer Centre, Toronto, ON	

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TIME	EVENT	ROOM
12:30 – 2:00pm	Lunch / Exhibits	Foyer, Level 4
12:45 – 1:15pm	Yo Go for RO	Salon 5, Level 2
2:00 – 3:00pm	<p>CARO Oral Session 4 – Stereotactic Radiotherapy – Abstract #55-60 <i>Moderators: Anand Swaminath, Michael Brundage</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discuss current and ongoing stereotactic radiotherapy related research taking place within radiation oncology. • Discuss current and ongoing oligometastases related research taking place within radiation oncology. 	Ouest Ballroom, Level 4
2:00 – 2:10pm	<p>55 PREDICTING DOSIMETRY OF STEREOTACTIC ABLATIVE RADIOTHERAPY FOR THE TREATMENT OF MULTIPLE LUNG LESIONS Edward Wang¹, Hassan Abdallah¹, Jonatan Snir², Jaron Chong¹, David Palma¹, Sarah Mattonen¹, Pencilla Lang¹ ¹Western University, London, ON ²London Health Sciences Centre, London, ON</p>	
2:10 – 2:20pm	<p>56 STEREOTACTIC ABLATIVE RADIOTHERAPY FOR OLIGO-PROGRESSIVE CANCERS: RESULTS OF THE RANDOMIZED PHASE II STOP TRIAL Devin Schellenberg¹, Zsolt Gabos², Adele Duimering², Brock Debenham², Alysa Fairchild², Fleur Huang², Lindsay Rowe², Diane Severin², Meredith Giuliani³, Andrea Bezjak³, Benjamin Lok³, Srinivas Raman³, Peter Chung³, Yizhou Zhao¹, Clement Ho¹, Michael Lock⁴, Alexander Louie³, Shilo Lefresne⁵, Hannah Carolan⁵, Mitchell Liu⁵, Vivian Yau⁶, Allison Ye⁶, Rob Olson⁶, Benjamin Mou⁷, Islam Mohamed⁷, David Petrik⁷, Maryam Dosani⁸, Howard Pai⁸, Boris Valev⁸, Stewart Gaede⁹, Andrew Warner⁴, David Palma⁴ ¹British Columbia Cancer, Surrey, BC ²University of Alberta, Edmonton, AB ³University of Toronto, Toronto, ON ⁴London Health Sciences Centre, London, ON ⁵British Columbia Cancer, Vancouver, BC ⁶British Columbia Cancer, Prince George, BC ⁷British Columbia Cancer, Kelowna, BC ⁸British Columbia Cancer, Victoria, BC ⁹Western University, London, ON</p>	
2:20 – 2:30pm	<p>57 ABLATIVE RADIATION THERAPY TO RESTRAIN EVERYTHING SAFELY TREATABLE (ARREST) – A PHASE 1 STUDY OF SABR FOR POLY-METASTATIC DISEASE Timothy Nguyen¹, Sherif Ramadan¹, Abhirami Hallock², David Palma¹, Mark Corkum³, Melissa O’Neil¹, Anders Celinski¹, Hatim Fakir¹, Michael Lock¹, Pencilla Lang¹, Vikram Velker¹, Glenn Bauman¹ ¹Western University, London, ON ²N/A, Niagara, ON ³University of Ottawa, Ottawa, ON</p>	

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TIME	EVENT	ROOM
2:00 – 3:00pm	CARO Oral Session 4 – Stereotactic Radiotherapy (cont'd)	Quest Ballroom, Level 4
2:30 – 2:40pm	<p>58 SHOULD ORGANS AT RISK (OARS) BE PRIORITIZED OVER TARGET VOLUME COVERAGE IN STEREOTACTIC ABLATIVE RADIOTHERAPY (SABR) FOR OLIGOMETASTASES? A SECONDARY ANALYSIS OF THE POPULATION-BASED PHASE II SABR-5 TRIAL Reno Eufemon Cereno^{1,2}, Benjamin Mou^{1,2}, Sarah Baker^{1,3}, Nick Chng⁴, Gregory Arbour¹, Alanah Bergman^{1,5}, Mitchell Liu^{1,5}, Devin Schellenberg^{1,3}, Quinn Matthews⁴, Vicky Huang³, Ante Mestrovic⁶, Derek Hyde², Abraham Alexander^{1,6}, Hannah Carolan^{1,5}, Fred Hsu^{1,7}, Stacy Miller^{1,4}, Siavash Atrchian^{1,2}, Elisa Chan^{1,5}, Clement Ho^{1,3}, Islam Mohamed^{1,2}, Angela Lin^{1,2}, Tanya Berrang^{1,6}, Andrew Bang^{1,5}, Will Jiang^{1,4}, Chad Lund^{1,3}, Howard Paj^{1,6}, Boris Valev^{1,6}, Shilo Lefresne^{1,5}, Scott Tyldesley^{1,5}, Robert Olson^{1,4} ¹University of British Columbia, Kelowna, BC ²British Columbia Cancer, Kelowna, BC ³British Columbia Cancer, Surrey, BC ⁴British Columbia Cancer, Prince George, BC ⁵British Columbia Cancer, Vancouver, BC ⁶British Columbia Cancer, Victoria, BC ⁷British Columbia Cancer, Abbotsford, BC</p>	
2:40 – 2:50pm	<p>59 POLYMETASTATIC RECURRENCE-FREE SURVIVAL IN PATIENTS WITH REPEAT OLIGOMETASTASES ON THE SABR-5 TRIAL Wei Liu¹, Subhadip Das², Robert Anton Olson³, Sarah Baker⁴, Emma Dunne¹, Jee Suk Chang¹, Devin Schellenberg⁴, Tanya Berrang², Fred Hsu⁵, Will Jiang⁴, Benjamin Mou⁶, Shilo Lefresne¹, Scott Tyldesley¹, Mitchell Liu¹ ¹British Columbia Cancer, Vancouver, BC ²British Columbia Cancer, Victoria, BC ³British Columbia Cancer, Prince George, BC ⁴British Columbia Cancer, Surrey, BC ⁵British Columbia Cancer, Abbotsford, BC ⁶British Columbia Cancer, Kelowna, BC</p>	
2:50 – 3:00pm	<p>60 STEREOTACTIC BODY RADIOTHERAPY (SBRT) FOR SACRAL METASTASES: DEVIATION FROM RECOMMENDED TARGET VOLUME DELINEATION PREDICTS HIGHER RISK OF LOCAL FAILURE Daniel Palhares, Kang Liang Zeng, Sten Myrehaug, Hanbo Chen, Hany Soliman, Chia-Lin (Eric) Tseng, Jeremie Larouche, Pejman Maralani, Jeff Wilson, Mark Ruschin, Beibei Zhang, Eshetu Atenafu, Arjun Sahgal, Jay Detsky University of Toronto, Toronto, ON</p>	
2:00 – 3:00pm	<p>CARO-COMP Oral Session 2 – AI and Big Data – Abstract #61-66 Moderators: Brian Liszewski, Amanda Caissie</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Learn about AI and its applications in Radiation Oncology and Medical Physics. • Discuss ongoing and future uses of Big Data.. 	Salon ABC, Level B
2:00 – 2:10pm	<p>61 DEVELOPMENT OF BIG DATA HEALTH CARE FRAMEWORK IN ONCOLOGY WITH DYNAMIC INTEGRATION OF MULTIMODAL HEALTH INFORMATION Jee Suk Chang¹, Eun Sil Baek², Jin Sung Kim², Robert Olson³, Sang Joon Shin² ¹British Columbia Cancer, Vancouver, BC ²Yonsei University College of Medicine, Seoul, KR ³British Columbia Cancer, Prince George, BC</p>	

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TIME	EVENT	ROOM
2:00 – 3:00pm	CARO-COMP Oral Session 2 – AI and Big Data (cont'd)	Quest Ballroom, Level 4
2:10 – 2:20pm	<p>62 OPERATIONAL ONTOLOGY FOR RADIATION ONCOLOGY (OORO) – A PROFESSIONAL SOCIETY-BASED, MULTI-STAKEHOLDER CONSENSUS DRIVEN INFORMATICS STANDARD SUPPORTING CLINICAL AND RESEARCH USE OF REAL-WORLD DATA Charles Mayo¹, Clifton David Fuller², Mary Feng³, Kristy Brock², Randi Kudner⁴, Peter Balter², Jeffrey Buchsbaum⁵, Amanda Caissie⁶, Elizabeth Covington¹, Emily Daugherty⁷, David Sup Hong Jr⁸, Andra Krauze⁹, Jon Kruse¹⁰, Todd McNutt¹¹, Richard Popple¹², Susan Richardson¹³, Jatinder Palta¹⁴, Thomas Purdie¹⁵, Lawrence Tarbox¹⁶, Ying Xiao¹⁷ ¹University of Michigan, Ann Arbor, MI ²The University of Texas MD Anderson Cancer Center, Houston, TX ³University of California San Francisco, CA ⁴ASTRO, Arlington, VA ⁵National Cancer Institute, Bethesda, MD ⁶Dalhousie University, Halifax, NS ⁷University of Cincinnati, Cincinnati, OH ⁸University of Southern California, Los Angeles, CA ⁹National Institute of Health, Washington, DC ¹⁰Mayo Clinic, Rochester, MN ¹¹Johns Hopkins University, Baltimore, MD ¹²University of Alabama, Birmingham, AL ¹³Washington University, Springfield, MO ¹⁴Virginia Commonwealth University, Richmond, VA ¹⁵Princess Margaret Cancer Centre, Toronto, ON ¹⁶University of Arkansas for Medical Sciences, Little Rock, AR ¹⁷University of Pennsylvania, Philadelphia, PA</p>	
2:20 – 2:30pm	<p>63 CLINICAL ACCEPTABILITY OF ARTIFICIAL INTELLIGENCE-SCREENED INTERSTITIAL LUNG DISEASE (AI-ILD) IN LUNG CANCER PATIENTS TREATED WITH RADIOTHERAPY Nicholas McNeil¹, Hannah Bacon¹, Sonja Kandel^{1,2}, Tirth Patel², Mattea Welch³, Xiang Y. Ye³, Chris McIntosh¹, Andrea Beznak³, Benjamin H. Lok³, Srinivas Raman³, Meredith Giuliani³, John Cho³, Alexander Sun³, Patricia Lindsay¹, Geoffrey Liu³, Tony Tadic¹, Andrew Hope³ ¹University of Toronto, Toronto, ON ²University Health Network, Toronto, ON ³Princess Margaret Cancer Centre, Toronto, ON</p>	
2:30 – 2:40pm	<p>64 A PROSPECTIVE STUDY OF MACHINE LEARNING-ASSISTED RADIOTHERAPY PLANNING FOR PATIENTS RECEIVING 54 GY TO THE BRAIN Derek Tsang¹, Grace Tsui², Anna Santiago³, Harald Keller², Thomas Purdie², Chris McIntosh², Nancy La Macchia², Amy Parent², Hitesh Dama², Sameera Ahmed², Tim Craig², Normand Laperriere¹, Barbara-Ann Millar¹, David Hodgson¹ ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON ³University Health Network, Toronto, ON</p>	
2:40 – 2:50pm	<p>65 PRELIMINARY VALIDATION OF SYNTHETIC CT FROM CBCT IMAGES FOR DOSE RECONSTRUCTION IN LUNG CANCER RADIOTHERAPY Dipal Patel¹, Teodor Stanescu^{1,2}, Jean-Pierre Bissonnette^{1,2} ¹University of Toronto, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p>	

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TIME	EVENT	ROOM
2:00 – 3:00pm	CARO-COMP Oral Session 2 – AI and Big Data (cont'd)	Ouest Ballroom, Level 4
2:50 – 3:00pm	<p>66 DUAL-CENTRE VALIDATION OF USING MRI RADIOMICS AND MACHINE LEARNING TO PREDICT STEREOTACTIC RADIOSURGERY OUTCOMES David DeVries¹, Terence Tang², Ghada Alqaidy³, Ali Albweady⁴, Andrew Leung¹, Joanna Laba¹, Frank Lagerwaard⁵, Jaap Zindler⁶, George Hajdok¹, Aaron Ward¹ ¹Western University, London, ON ²London Health Sciences Centre, London, ON ³King Fahad Armed Forces Hospital, Jeddah, SA ⁴Unaizah College of Medicine and Medical Sciences, Unaizah, SA ⁵Amsterdam UMC – Vrije University Medical Center, Amsterdam, NL ⁶Haaglanden Medical Centre, Den Haag, NL</p>	
2:00 – 3:00pm	<p>COMP Oral Session 4 – Motion and Adaptation – Abstract #67-72 <i>Moderators: Tania Karan, Jeff Winter</i> Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Learn about motion management and treatment adaptation in radiotherapy. • Understand novel research to address motion management and treatment adaptation in radiotherapy. 	Centre Ballroom, Level 4
2:00 – 2:10pm	<p>67 DOSE VERIFICATION OF MRI-GUIDED ONLINE ADAPTIVE TREATMENT DELIVERY FOR UGI SITES Oleksii Semeniuk, Andrea Shessel, Michael Velec, Cathy Carpino-Rocca, Jelena Lukovic, Ali Hosni, Laura Dawson, Teodor Stanescu University of Toronto, Toronto, ON</p>	
	68 – Withdrawn	
2:10 – 2:20pm	<p>69 EXPERIMENTAL VALIDATION OF A NOVEL METHOD OF DOSE ACCUMULATION FOR THE RECTUM Haley Patrick, Emily Poon, Kayla O’Sullivan-Steben, John Kildea McGill University, Montréal, QC</p>	
2:20 – 2:30pm	<p>70 ACTIVE SURFACE MONITORING FOR REAL-TIME CLINICAL GUIDANCE DURING PELVIC ADAPTIVE RADIOTHERAPY Timothy Keiper, Grace Gwe-Ya Kim University of California San Diego, La Jolla, CA</p>	
2:30 – 2:40pm	<p>71 MODELLING THE 6-DOF RESPIRATORY MOTION OF THE HEART IN CARDIAC RADIOSURGERY USING MULTI-LEAD TRACKING Jakob Marshall¹, Alanah Bergman², Tania Karan², Marc Deyell³, Devin Schellenberg², Richard Thompson⁴, Justin Poon¹, Steven Thomas² ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC ³University of British Columbia, Vancouver, BC ⁴University of Alberta, Edmonton, AB</p>	
2:40 – 2:50pm	<p>72 A DEEP LEARNING APPROACH TO TUMOUR MOTION FORECASTING FOR SURFACE GUIDED RADIATION THERAPY BASED ON VOLUMETRIC 4D-CT Timothy Yau, Ting-Yim Lee, Stewart Gaede Western University, London, ON</p>	

Friday, September 22, 2023

TIME	EVENT	ROOM
3:00 – 4:00pm	<p>CARO Oral Session 5 – Mixed Clinical – Abstract #73-78 <i>Moderators: Alanah Bergman, Fabio Cury</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> Learn about current and ongoing research taking place within radiation oncology in a variety of cancer sites. Learn about ongoing and current research taking place within radiation oncology for benign conditions. 	Quest Ballroom, Level 4
3:00 – 3:10pm	<p>73 HYPOFRACTIONATED RADIOTHERAPY FOR HEMATOLOGICAL MALIGNANCIES DURING COVID-19 PANDEMIC AND BEYOND Febin Antony^{1,2}, Arbind Dubey^{2,1}, Pascal Lambert¹, Pamela Skrabek^{1,2}, Naseer Ahmed^{1,2} ¹CancerCare Manitoba, Winnipeg, MB ²University of Manitoba, Winnipeg, MB</p>	
3:10 – 3:20pm	<p>74 HYPOFRACTIONATED PREOPERATIVE RADIOTHERAPY 30GY IN 5 FRACTIONS FOR SOFT TISSUE SARCOMA OF THE EXTREMITY Rie Asso¹, Fabio Cury¹, Constanza Martinez¹, Neelabh Rastogi², Paul Ramia¹, Carolyn Freeman¹ ¹McGill University Health Centre, Montréal, QC ²McGill University, Montréal, QC</p>	
3:20 – 3:30pm	<p>75 HEATMAPS TO ASSESS TUMOUR MOTION PROBABILITY WITH MRCINE IN HEAD AND NECK CANCER Adam Mutsaers, Yonatan Weiss, Lee Chin, Ian Poon, Andrew Bayley, Geordi Pang, Angus Lau, Irene Karam University of Toronto, Toronto, ON</p>	
3:30 – 3:40pm	<p>76 A NOVEL STRATEGY TO ENHANCE RADIOTHERAPY EFFICACY: RESULTS FROM THE PROSPECTIVE PHASE I CLINICAL TRIAL OF MR-GUIDED FOCUSED ULTRASOUND-STIMULATED MICROBUBBLES (MRgFUS+MB) TREATMENT FOR BREAST CANCER Daniel Palhares, Archya Dasgupta, Murtuza Saifuddin, Ling Ho, Lin Lu, Maria Lourdes Anzola Pena, Shopnil Prasla, Ewa Szumacher, Edward Chow, Danny Vesprini, Irene Karam, Hany Soliman, Arjun Sahgal, Gregory Czarnota University of Toronto, Toronto, ON</p>	
3:40 – 3:50pm	<p>77 SINGLE PRE-OPERATIVE RADIATION THERAPY (SPORT-CK) TRIAL FOR LOW-RISK BREAST CANCER: EARLY RESULTS OF A PHASE 2 STUDY Dima Mahmoud¹, Leticia Alvarado¹, Christine Lambert¹, Sarkis Meterissian¹, Michael Yassa², Francine Tremblay¹, Naim Otaky¹, John Keyeserlingk¹, Valerie Panet-Raymond¹, Neil Kopek¹, Marc David¹, Marie Duclos¹, David Fleischer¹, Ari Meguerditchian², Antoine Loutfi¹, Tarek Hijal¹ ¹McGill University, Montréal, QC ²University of Montréal, Montréal, QC</p>	
3:50 – 4:00pm	<p>78 CARDIAC SBRT FOR THE TREATMENT OF VENTRICULAR TACHYCARDIA Matthew Volpini, Katie Lekx-Toniolo, Calum Redpath, Andrew Crean, David Tiberi, Graham Cook The Ottawa Hospital, Ottawa, ON</p>	

Friday, September 22, 2023

TIME	EVENT	ROOM
3:00 – 4:00pm	<p>CARO-COMP Oral Session 3 – Education and Professional Development – Abstract #79-84 <i>Moderators: Vanessa Di Lalla, Paris Ann Ingledew</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discover ongoing education research taking place within radiation oncology and medical physics. • Discover ongoing professional development research taking place within radiation oncology and medical physics. 	Salon ABC, Level B
3:00 – 3:10pm	<p>79 VIRTUAL MENTORING FOR MEDICAL PHYSICISTS: GUIDANCE PROVIDED BY A GLOBAL ONLINE PERCEPTIONS SURVEY Jacob Van Dyk¹, Matt Jalink², John Schreiner², Robert Jeraj³ ¹Western University, London, ON ²Queen's University, Kingston, ON ³University of Wisconsin, Madison, WI</p>	
3:10 – 3:20pm	<p>80 VIRTUAL REALITY SIMULATOR FOR LINAC SAFETY TRAINING Varlukhin Anton¹, Geordi Pang^{2,3}, Syed Bilal Ahmad⁴, Humza Nusrat² ¹Toronto Metropolitan University, Toronto, ON ²Sunnybrook Health Sciences Centre, Toronto, ON ³University of Toronto, Toronto, ON ⁴Thunder Bay Regional Health Sciences Centre, Thunder Bay, ON</p>	
3:20 – 3:30pm	<p>81 THE DEVELOPMENT AND IMPLEMENTATION OF SIMULATION-BASED INTER-PROFESSIONAL EDUCATION FOR RADIATION ONCOLOGY AND MEDICAL PHYSICS RESIDENTS IN RADIATION THERAPY SAFETY EVENTS Michelle Nielsen¹, Andrew Bayley¹, Jay Detsky¹, Nicole Harnett², Andrea McNiven² ¹Odette Cancer Centre, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p>	
3:30 – 3:40pm	<p>82 FUTURE-PROOFING THE RADIATION THERAPY WORKFORCE: THE PROMISE OF AN MR-INTEGRATED RADIATION THERAPY TRAINING PROGRAM Darby Erler^{1,2}, Nicole Harnett^{2,3}, Ruby Bola¹, Mikki Campbell², Laura D'Alimonte^{2,4} ¹Sunnybrook Health Sciences Centre, Toronto, ON ²University of Toronto, Toronto, ON ³Princess Margaret Cancer Centre, Toronto, ON ⁴Windsor Regional Hospital, Windsor, ON</p>	
3:40 – 3:50pm	<p>83 IMPACT OF THE COVID-19 PANDEMIC ON ACADEMIC PRODUCTIVITY IN ONCOLOGY: A JOURNAL-, CONFERENCE- AND AUTHOR-LEVEL ANALYSIS Vivian Tan, Andrew Warner, Anthony Nichols, Eric Winquist, David Palma Western University, London, ON</p>	
3:50 – 4:00pm	<p>84 REMOTE DELIVERY OF A MINDFULNESS-BASED INTERVENTION TO DECREASE STRESS LEVELS AND PROMOTE COPING AMONG HEALTH-CARE WORKERS DURING THE COVID-19 PANDEMIC Joelle Helou¹, Aisling Barry², Philip Ye³, Fei-fei Liu³, Colleen Dickie³, Anet Julius³, Daniel Letourneau³, Philip Wong³, Laura Dawson³, Mary Elliott³ ¹Western University, London, ON ²University of Cork College, Cork, IE ³University of Toronto, Toronto, ON</p>	

Friday, September 22, 2023

TIME	EVENT	ROOM
3:00 – 4:00pm	<p>COMP Oral Session 5 – Imaging – Abstract #85-90 <i>Moderators: Ives Levesque, Atiyah Yahya</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> Understand applications of Medical Imaging in Radiation Oncology and Medical Physics. Ascertain current research in Medical Imaging. 	Centre Ballroom, Level 4
3:00 – 3:10pm	<p>85 MR DISTORTION ARTIFACT CORRECTION FOR SPINE SABR PATIENTS WITH PEDICLE SCREWS Andrew K. H. Robertson¹, Keith Wachowicz², Teo Stanescu³, Emma Dunne¹, Mitchell Liu¹, Monty Martin¹, Hannah Carolan¹, Steven Thomas¹ ¹British Columbia Cancer, Vancouver, BC ²University of Alberta, Edmonton, AB ³Princess Margaret Cancer Centre, Toronto, ON</p>	
3:10 – 3:20pm	<p>86 HIGH-RESOLUTION DEDICATED 3D AUTOMATED BREAST ULTRASOUND WITH COMPLEMENTARY IMAGING FOR POINT-OF-CARE BREAST CANCER SCREENING Claire Park^{1,2}, Tiana Trumpour^{1,2}, Jeffrey Bax², Igor Gyacskov², David Tessier², Lori Gardi², Aaron Fenster^{1,2} ¹Western University, London, ON ²Robarts Research Institute, London, ON</p>	
3:20 – 3:30pm	<p>87 ACCURATE VISUALIZATION OF STENTS THROUGH ARTIFACT REDUCTION WITH PHOTON-COUNTING DETECTOR CT Devon Richtsmeier¹, Pierre-Antoine Rodesch¹, Kris Iniewski², William Siu³, Magdalena Bazalova-Carter¹ ¹University of Victoria, Victoria, BC ²Redlen Technologies, Saanichton, BC ³Fraser Health Authority, New Westminster, BC</p>	
3:30 – 3:40pm	<p>88 SODIUM CONCENTRATION MEASUREMENTS IN PROSTATE CANCER AND NORMAL TISSUE USING AN EXTERNAL SODIUM MRI BUTTERFLY COIL Josephine Tan^{1,2,3}, Vibhuti Kalia¹, Jonathan Thiessen^{1,2}, Timothy Scholl^{1,3,4}, Alireza Akbari^{1,3} ¹Western University, London, ON ²Lawson Health Research Institute, London, ON ³Robarts Research Institute, London, ON ⁴Ontario Institute for Cancer Research, Toronto, ON</p>	
3:40 – 3:50pm	<p>89 INTEGRATION OF IMAGING PHYSICISTS IN RADIATION ONCOLOGY David Hintenlang, Kathleen Hintenlang, Michael Weldon, Nilendu Gupta, Xiangyu Yang, Xia Jiang, Jun Zhang, Nathan Quails The Ohio State University, Columbus, OH</p>	
3:50 – 4:00pm	<p>90 ROLE OF MRI-BASED RADIOMIC SIGNATURES IN PREDICTING LOCAL CONTROL AFTER STEREOTACTIC BODY RADIOTHERAPY FOR MALIGNANT LIVER TUMOURS Arun Elangovan¹, Keith Wachowicz¹, Terence Riauka¹, Sunita Ghosh¹, Jihyun Yun¹, Aswin Abraham¹, Asmara Waheed¹, Helene Daly², Heather Warkentin¹, Diane Severin¹, Kurian Joseph¹ ¹University of Alberta, Edmonton, AB ²Alberta Health Services, Edmonton, AB</p>	

September 20-23, 2023

Friday, September 22, 2023

TIME	EVENT	ROOM
4:00 – 5:00pm	<p>Workshop 1 – Better Together: Embracing Sexual Orientation and Gender Diversity in Radiation Oncology, Radiation Therapy, Medical Physics, and Allied Health</p> <p>Amanda Bolderston, Morgan Maher, Sarah Aubert, Jennifer Croke, Meghan Koo, Radim Barta</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Explain common challenges faced by the 2SLGBTQ+ community in cancer care. • Discuss respectful and inclusive communication approaches. • Identify individual and programmatic methods to create a welcoming environment. 	Salon ABC, Level B
4:00 – 5:00pm	<p>Workshop 2 – Workplace Engagement, Wellbeing and Mental Health: Navigating Burnout Culture</p> <p>Mira Keyes, Christopher Thomas, Miller MacPherson, Ghada Aldosary</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Differentiate between burnout and chronic mental health conditions. • Identify the drivers of each, and learn how vectors of neurodiversity can be leveraged at work. • Understand the role of institutions in addressing mental health and burnout and empower leaders to develop effective well-being strategies for their teams. • Learn how to create personalized mental health toolkits and how to utilize them as well as engage with leadership to promote resilience in the workplace. 	Centre Ballroom, Level 4
4:00 – 5:00pm	<p>Workshop 3 – Need-to-know AI for Non-experts: How to Differentiate Between Good and Bad AI</p> <p>Hossein Naseri, Kayla O’Sullivan-Steben</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Understand the difference between good and bad AI tools/research in radiation oncology and medical physics. • Have hands-on experience testing how the performance of an AI model can be influenced by changes in model parameters and database characteristics. • Evaluate and critique AI tools and research for their clinical acceptability. 	West Ballroom, Level 4
4:00 – 5:00pm	<p>Workshop 4 – 70+ Years of Megavoltage Radiation Therapy: A Multidisciplinary Perspective</p> <p>John Schreiner, Bernard Cummings, Julie Renaud</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Review the development and progress of megavoltage radiation technologies. • Describe the clinical impact as a result of the evolution of megavoltage technologies. • Describe how the role of radiation therapists has been impacted by the evolution of megavoltage treatment technologies. 	Jarry/Joyce, Level A
5:45pm	Buses start departing at the hotel	Lobby
7:00pm	<p>Dinner and Awards Ceremony</p> <p>Located in the former Dalhousie Station, a historic building in Old Montreal.</p>	Cirque Eloize 417 Berri Street, (514) 596-3838

Saturday, September 23, 2023

TIME	EVENT	ROOM
7:00 – 8:00am	Breakfast	Foyer, Level 4
8:00 – 8:45am	<p>Jean Roy Lecture Moderator: Jean-Marc Bourque Introduction: David Roberge</p> <p>Bridging the Gap: Brachytherapy Training in Low Resource Settings Maroie Barkati</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Highlight the importance of brachytherapy as a cost-effective and viable treatment option for low resource settings in the context of global oncology. • Share experiences and challenges encountered in teaching brachytherapy in low resource settings, with a focus on Africa. • Explore future directions and potential advancements in brachytherapy for low resource settings. 	Centre Ballroom, Level 4
8:45 – 9:00am	Discussion	
9:00 – 9:30am	Refreshment Break	Foyer, Level 4
9:30 – 10:30am	<p>CARO Oral Session 6 – Survivorship and Population Science – Abstract #91-96 Moderator: Marc Gaudet, Andrea Bezjak</p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discover ongoing population science research taking place within radiation oncology. • Discover ongoing survivorship research taking place within radiation oncology. 	Ouest Ballroom, Level 4
9:30 – 9:40am	<p>91 PATIENT SELF-REPORTED OVERALL WELL-BEING CORRELATES WITH CONCURRENT CANCER-RELATED SYMPTOMS? Catherine McKenna^{1,3}, Brook-Lynn Fleury^{1,2}, Ernest Osei^{1,3}, Johnson Darko^{1,3} ¹Grand River Regional Cancer Centre, Kitchener, ON ²Wilfred Laurier University, Waterloo, ON ³University of Waterloo, Waterloo, ON</p>	
9:40 – 9:50am	<p>92 HYPOFRACTIONATED DOSE-INTENSIFIED PALLIATIVE RADIOTHERAPY: 25 GY IN 5 FRACTIONS FOR ENHANCED SYMPTOM CONTROL Jayson Paragas, Vanessa Di Lalla, Leticia Alvarado, Tanner Connell, Sonia Skamene, Marc David McGill University, Montréal, QC</p>	
9:50 – 10:00am	<p>93 RISK FACTORS FOR UNSCHEDULED ACUTE CARE VISITS FOR GYNECOLOGIC ONCOLOGY PATIENTS RECEIVING RADIOTHERAPY Aaron Dou¹, Mary Doherty², Xuan Li², Kathy Han¹, Stephanie L'heureux², Jelena Lukovic¹, Mike Milosevic¹, Genevieve Bouchard-Fortier², Jennifer Croke¹ ¹University of Toronto, Toronto, ON ²N/A, Toronto, ON</p>	
10:00 – 10:10am	<p>94 EVALUATING GEOGRAPHIC ACCESS TO RADIOTHERAPY SERVICES IN CANADA Oluwaseun Davies, Yang Xu, Shaun Loewen ¹University of Calgary, Calgary, AB</p>	

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Saturday, September 23, 2023

TIME	EVENT	ROOM
9:30 – 10:30am	CARO Oral Session 6 – Survivorship and Population Science (cont'd)	Quest Ballroom, Level 4
10:10 – 10:20am	95 USE OF RADIATION THERAPY AMONG PATIENTS WITH EXTENSIVE-STAGE SMALL-CELL LUNG CANCER RECEIVING IMMUNOTHERAPY: CANADIAN CONSENSUS RECOMMENDATIONS Alexander Sun ¹ , Barbara Melosky ² , Devin Schellenberg ³ , Bassam Abdulkarim ⁴ , Normand Blais ⁵ , Jonathan Greenland ⁶ , Alexander Louie ¹ , Stephanie Snow ⁷ , Geoffrey Liu ¹ ¹ University of Toronto, Toronto, ON ² University of British Columbia, Vancouver, BC ³ British Columbia Cancer, Surrey, BC ⁴ McGill University, Montréal, QC ⁵ University of Montréal, Montréal, QC ⁶ Eastern Health, St. John's, NL ⁷ Dalhousie University, Halifax, NS	
10:20 – 10:30am	96 BREAST CANCER OUTCOMES OF PATIENTS WITH T4b DISEASE: A POPULATION-BASED RETROSPECTIVE ANALYSIS Nicolas Siriani-Ayoub, Theodora Koulis, Lovedeep Gondara, Caroline Speers, Rekha Diocee, Caroline Lohrisch, Alan Nichol, Pauline Truong University of British Columbia, Vancouver, BC	
9:30 – 10:30am	CARO-COMP Oral Session 4 – Basic and Translational Science – Abstract #97-99, 172, 101, 102 <i>Moderators: Magdalena Bazalova-Carter, Houda Bahig</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Learn about basic and translational science applications in Radiation Oncology and Medical Physics. • Discuss novel research in basic and translational science. 	Salon ABC, Level B
9:30 – 9:40am	97 PROBING MICROSTRUCTURAL CHANGES IN A MOUSE MODEL OF MILD TRAUMATIC BRAIN INJURY USING DIFFUSION MRI TECHNIQUES Naila Rahman, Kathy Xu, Arthur Brown, Corey Baron Western University, London, ON	
9:40 – 9:50am	98 RADIOSENSITIZATION OF GLIOBLASTOMA USING TARGETED INHIBITION OF N-MYRISTOYLATION Deepak Dinakaran, Evan Wilson, Nicholas Rydzewski, Kevin Camphausen National Institute of Health, Bethesda, MD	
9:50 – 10:00am	99 CHARACTERIZATION OF THE RADIATION RESPONSE AND PREVENTION OF RADIATION-INDUCED MALIGNANCIES IN LI-FRAUMENI SYNDROME Pamela Psarianos, Katherine Sauberli-Stewart, Nicholas Fischer, David Malkin University of Toronto, Toronto, ON	
10:00 – 10:10am	172 THE IMPACT OF ANDROGEN-DEPRIVATION THERAPY ON CERAMIDES, A POTENTIAL BIOMARKER OF OUTCOMES OF PROSTATE CANCER FOR PATIENTS TREATED WITH EBRT AND HDR BRACHYTHERAPY BOOST Damien Carignan ¹ , Marine Bourgeois ² , William Foster ³ , André-Guy Martin ³ , François Paris ² , Eric Vigneault ¹ ¹ Université Laval, Quebec City, QC ² Université de Nantes, Nantes, FR ³ CHU de Québec-Université Laval, Quebec City, QC	

Saturday, September 23, 2023

TIME	EVENT	ROOM
9:30 – 10:30am	CARO-COMP Oral Session 4 – Basic and Translational Science (cont'd)	Salon ABC, Level B
10:10 – 10:20am	101 – Withdrawn	
10:20 – 10:30am	102 A FULL BODY BLOOD FLOW MODEL FOR APPLICATIONS IN TBI DOSIMETRY Cassidy Northway ¹ , Ingrid Spadinger ² ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Vancouver, BC	
9:30 – 10:30am	COMP Oral Session 6 – AI and Big Data – Abstract #103-108 <i>Moderators: Annie Hsu, John Kildea</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Expand their understanding of AI and its applications in Radiation Oncology and Medical Physics. • Discuss ongoing and future uses of Big Data in Radiation Oncology and Medical Physics. 	Centre Ballroom, Level 4
9:30 – 9:40am	103 PREDICTING LUNG DOSE FOR RIGHT-SIDED BREAST CANCER PATIENTS WITH TRADITIONAL MACHINE LEARNING AND NEURAL NETWORKS Fletcher Barrett ¹ , Sarah Quirk ^{2,3} , Owen Paetkau ¹ , Sangjune Lee ¹ , Philip McGeachy ¹ ¹ University of Calgary, Calgary, AB ² Harvard Medical School, Boston, MA ³ Brigham & Women's Hospital, Boston, MA	
9:40 – 9:50am	104 Automatic Treatment Plan Generation for Prostate Radiotherapy Using Deep Learning Cody Church ¹ , Michelle Yap ¹ , Dal Granville ² ¹ N/A, Ottawa, ON ² Ottawa Hospital Research Institute, Ottawa, ON	
9:50 – 10:00am	105 IMPROVED DOSE PREDICTION FOR BREAST RADIOTHERAPY USING NOVEL ANATOMICAL MASK INPUTS FOR 3D DEEP LEARNING MODELS Lance Moore, Fatemeh Nematollahi, Sandra Meyers, Kevin Moore, Kelly Kisling University of California San Diego, CA	
10:00 – 10:10am	106 AN EFFICIENT PATIENT SELECTION METHOD FOR RAPIDPLAN MODEL DEVELOPMENT Matthew Mouawad, David Sasaki CancerCare Manitoba, Winnipeg, MB	
10:10 – 10:20am	107 CRANIAL METASTASIS DETECTION USING LONGITUDINAL VOXEL-WISE RADIOMICS AND DIFFUSION WEIGHTED IMAGING-BASED MACHINE LEARNING Joseph Madamesila ¹ , Nicolas Ploquin ¹ , Salman Faruqi ¹ , Subhadip Das ² , Ekaterina Tchistiakova ¹ ¹ University of Calgary, Calgary, AB ² University of British Columbia, Victoria, BC	
10:20 – 10:30am	108 CLINICAL APPLICATION OF AI-GENERATED CONTOURS IN PROSTATE ULTRASOUND BRACHYTHERAPY Mathieu Goulet ¹ , Laurie Pilote ¹ , Émilie Brouillard ¹ , Dany Thériault ^{1,2} , James Tsui ³ ¹ Centre régional intégré de cancérologie, Lévis, QC ² Université Laval, Quebec City, QC ³ McGill University Health Centre, Montréal, QC	

Saturday, September 23, 2023

TIME	EVENT	ROOM
10:30 – 11:30am	<p>CARO-COMP Poster Discussion Session 1 – Abstract #133-142 <i>Moderators: Kristin Marchant, Derek Tsang</i></p> <p>Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discover ongoing radiation medicine research taking place across a variety of areas. 	Ouest Ballroom, Level 4
10:30 – 10:35am	<p>133 PREDICTORS OF STAFF SATISFACTION, STRESS, AND BURNOUT AT A CANADIAN CANCER CENTRE Ege Babadagli¹, Selena Laprade¹, Gordon Locke¹, Angela McNeil¹, Joanne Meng¹, Julie Renaud¹, Elisabeth Cisa-Pare², Jessica Chan³, Jiheon Song⁴, Rajiv Samant¹ ¹University of Ottawa, Ottawa, ON ²Northern Ontario School of Medicine, Thunder Bay, ON ³University of British Columbia, Vancouver, BC ⁴University of Toronto, Toronto, ON</p>	
10:35 – 10:40am	<p>134 A QUALITATIVE ANALYSIS OF MEDICAL STUDENT REFLECTIONS FOLLOWING PARTICIPATION IN A CANADIAN RADIATION ONCOLOGY STUDENTSHIP Brandon Chai¹, Meredith Giuliani², Joanne Alfieri³, Jeffery Cao^{4,9}, Andrea Bezjak², Michael Kim⁵, Che Hsuan David Wu⁶, Nauman Malik⁷, David Mak², Paris-Ann Ingledew^{1,8} ¹University of British Columbia, Vancouver, BC ²Princess Margaret Cancer Centre, Toronto, ON ³McGill University, Montréal, QC ⁴University of Calgary, Calgary, AB ⁵Dalhousie University, Halifax, NS ⁶British Columbia Cancer, Victoria, BC ⁷University of California, San Francisco, CA ⁸British Columbia Cancer, Vancouver, BC ⁹Tom Baker Cancer Centre, Calgary, AB</p>	
10:40 – 10:45am	<p>135 EXPLORING FAMILY PHYSICIAN TRAINING NEEDS TO IMPROVE CANCER PATIENT CARE Marissa Sherwood¹, Janet Papadakis¹, Kulamahan Kulasegaram¹, Maria A. Martimianakis¹, Edward Kucharski², Meredith Giuliani¹ ¹University of Toronto, Toronto, ON ²Casey House Hospital, Toronto, ON</p>	
10:45 – 10:50am	<p>136 INVESTIGATING A RESIDUAL NEURAL NETWORK TO GENERATE CUSTOMIZABLE RADIOFREQUENCY PULSES FOR MAGNETIC RESONANCE IMAGING Seger Nelson, Rebecca Feldman University of British Columbia, Kelowna, BC</p>	
10:50 – 10:55am	<p>137 STEREOTACTIC BOOST AND SHORT-COURSE RADIOTHERAPY FOR P16-ASSOCIATED OROPHARYNX CANCER (SHORT-OPC): FIRST PLANNED INTERIM SAFETY ANALYSIS FROM A RANDOMIZED PHASE II TRIAL Sweet Ping Ng¹, David C. Fuller², Adam S. Garden², David I. Rosenthal², Jack Phan², Phuc Felix Nguyen-Tan³, Ying Yuan², Edith Filion³, Denis Soulieres³, Apostolos Christopoulos³, Katherine Hutcheson², Anna Lee², Houda Bahig¹ ¹Austin Health, Austin, TX ²The University of Texas MD Anderson Cancer Center, Houston, TX ³Centre Hospitalier de l'Université de Montréal, Montréal, QC</p>	
10:55 – 11:00am	<p>138 FIVE-YEAR FEASIBILITY STUDY OF A THREE-DAY RAPID ACCESS PALLIATIVE VMAT PROGRAM IN A TWO LINAC CENTRE Quinn Matthews¹, Kim Lawyer¹, Evan Maynard¹, Robert Olson¹, Allison Ye¹, Vivian Yau¹, Stacy Miller¹, Boris Valev², Nick Chng¹ ¹British Columbia Cancer, Prince George, BC ²British Columbia Cancer, Victoria, BC</p>	

Saturday, September 23, 2023

TIME	EVENT	ROOM
10:30 – 11:30am	CARO-COMP Poster Discussion Session 1 (cont'd)	Quest Ballroom, Level 4
11:00 – 11:05am	<p>139 EFFECT OF COBALT-60 CALIBRATION DOSE-RATE ON ARTERIOVENOUS MALFORMATION OBLITERATION AFTER STEREOTACTIC RADIOSURGERY Victoria Anthes¹, Michael Schwartz², Michael Cusimano³, Ivan Radovanovic⁴, Abhaya Kulkarni⁵, Normand Laperriere⁶, David Payne⁶, Robert Heaton⁶, Monique van Prooijen⁶, Sunit Das³, Derek Tsang⁶ ¹University of Toronto, Toronto, ON ²Sunnybrook Health Sciences Centre, Toronto, ON ³St. Michael's Hospital, Toronto, ON ⁴University Health Network, Toronto, ON ⁵Hospital for Sick Children, Toronto, ON ⁶Princess Margaret Cancer Centre, Toronto, ON</p>	
11:05 – 11:10am	<p>140 ADAPTIVE STAGED STEREOTACTIC RADIOSURGERY TO SALVAGE PREVIOUSLY IRRADIATED BRAIN METASTASES Dana Shor, Kang Liang Zeng, Lori Holden, Hanbo Chen, Pejman Maralani, Chris Heyn, Beibei Zhang, Sten Myrehaug, Chia-Lin (Eric) Tseng, Jay Detsky, Hany Soliman, Arjun Sahgal University of Toronto, Toronto, ON</p>	
11:10 – 11:15am	<p>141 TOXICITY AND ONE YEAR OUTCOMES IN A SERIES OF SIX PATIENTS RECEIVING STEREOTACTIC ARRHYTHMIA RADIOABLATION FOR VENTRICULAR TACHYCARDIA Ian J. Gerard, Alfieri Joanne, Gabriela Stroian, Valeria Anglesio, Martin Bernier, Tarek Hijal, Sarah Konermann, Neil Kopek, Piotr Pater, Bruno Toscani Gomes da Silveira McGill University, Montréal, QC</p>	
11:15 – 11:20am	<p>142 PATIENT-REPORTED DISTRESS AND ACUTE CARE UTILIZATION FOR CERVICAL CANCER PATIENTS UNDERGOING CONCURRENT CHEMO-RADIATION AND BRACHYTHERAPY Areeb Hassan¹, Alyssa Macedo¹, Genevieve Bouchard-Fortier¹, Stephanie L'heureux², Manjula Mangati¹, Kathy Han², Candice Yu¹, Madeline Li², Jennifer Croke² ¹Princess Margaret Cancer Centre, Toronto, ON ²University of Toronto, Toronto, ON</p>	
10:30 – 11:30am	<p>CARO-COMP Poster Discussion Session 2 – Abstract #143-152 <i>Moderators: Kevin Martell, Srinivas Raman</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> Discover ongoing radiation medicine research taking place across a variety of areas. </p>	Salon ABC, Level B
10:30 – 10:35am	<p>143 NOPAUSE: INITIAL EXPERIENCE DEPLOYING A NOVEL MULTI-CENTRE VMAT PLAN AUTOMATION SYSTEM Nick Chng¹, Fred Cao¹, Michael Lamey², Sergei Zavgorodni³, Quinn Matthews¹, Parmveer Atwal⁴, Robert Olson¹ ¹British Columbia Cancer, Prince George, BC ²British Columbia Cancer, Kelowna, BC ³British Columbia Cancer, Victoria BC ⁴British Columbia Cancer, Abbotsford, BC</p>	
10:35 – 10:40am	<p>144 VALIDATION OF GPU-ACCELERATED MONTE CARLO SIMULATIONS FOR PATIENT-SPECIFIC CT DOSE CALCULATIONS Ronan Lefol¹, Yannick Lemaréchal¹, Jonathan Boivin², Philippe Després¹ ¹Université Laval, Quebec City, QC ²CHU de Québec-Université Laval, Quebec City, QC</p>	

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TIME	EVENT	ROOM
10:30 – 11:30am	CARO-COMP Poster Discussion Session 2 (cont'd)	Salon ABC, Level B
10:40 – 10:45am	145 QUANTIFICATION OF RADIOMIC FEATURE VARIABILITY ACROSS PROVINCIAL COMPUTED TOMOGRAPHY SCANNERS Lorna Tu ^{1,2} , Herve Choi ² , Haley Clark ^{1,3} , Bradford Gill ² , Scott Young ² , Samantha Lloyd ^{1,2} ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Vancouver BC ³ British Columbia Cancer, Surrey, BC	
10:45 – 10:50am	146 FIVE-YEAR RENAL FUNCTION OUTCOMES AFTER SABR FOR PRIMARY RENAL CELL CARCINOMA: A REPORT FROM THE INTERNATIONAL RADIOSURGERY ONCOLOGY CONSORTIUM OF THE KIDNEY (IROCK) Vivian Tan ¹ , Alexander Louie ² , Andrew Warner ¹ , Muhammad Ali ³ , Alexander Muacevic ⁴ , Lee Ponsky ⁵ , Rodney Ellis ⁶ , Simon Lo ⁷ , Hiroshi Onishi ⁸ , Anand Swaminath ⁹ , Young Suk Kwon ¹⁰ , Scott Morgan ¹¹ , Fabio Cury ¹² , Bin Teh ¹³ , Anand Mahadevan ¹⁴ , Irving Kaplan ¹⁵ , William Chu ² , Raquibul Hannan ¹⁰ , Michael Staehler ⁴ , William Grubb ¹⁶ , Shankar Siva ³ , Rohann Correa ¹ ¹ Western University, London, ON ² University of Toronto, Toronto, ON ³ Peter MacCallum Cancer Centre, Melbourne, AU ⁴ University of Munich Hospitals, Munich, DE ⁵ Case Western Reserve University, Cleveland, OH ⁶ GenesisCare, Cape Coral, FL ⁷ University of Washington School of Medicine, Seattle, WA ⁸ University of Yamanashi, Yamanashi, JP ⁹ McMaster University, Hamilton, ON ¹⁰ University of Texas Southwestern Medical Center, Dallas, TX ¹¹ University of Ottawa, Ottawa, ON ¹² McGill University, Montréal, QC ¹³ Houston Methodist Hospital Cancer Center and Research Institute, Houston, TX ¹⁴ NYU Langone Health, New York, NY ¹⁵ Beth Israel Deaconess Medical Center, Boston, MA ¹⁶ Augusta University, Augusta, GA	
10:50 – 10:55am	147 EVALUATION OF VOLUMETRIC RESPONSE ASSESSMENT FROM STEREOTACTIC ABLATIVE RADIOTHERAPY (SABR) FOR RENAL CELL CARCINOMA (RCC) Daniel Schep ^{1,2} , Ian Dayes ^{1,2} , Himanshu Lukka ^{1,2} , Kimmen Quan ^{1,2} , Anil Kapoor ^{2,3} , Jasmin Vansantvoort ¹ , Tom Chow ¹ , Anand Swaminath ^{1,2} ¹ Juravinski Cancer Centre, Hamilton, ON ² McMaster University, Hamilton, ON ³ St. Joseph's Health Care, Hamilton, ON	
10:55 – 11:00am	148 IMPACT OF STATIN USE ON BIOCHEMICAL RECURRENCE IN PROSTATE CANCER PATIENTS TREATED WITH RADIATION THERAPY Danny Lavigne ¹ , Kevin Kaulanjan ² , Benedikt Hoeh ³ , Fred Saad ¹ , Pierre I. Karakiewicz ¹ , Rocco Simone Flammia ⁴ , Luis Alex Kluth ³ , Philipp Mandel ³ , Felix K.H. Chun ³ , Daniel Taussky ¹ ¹ Université de Montréal, Montréal, QC ² Université des Antilles, Pointe-à-Pitres, FR ³ Goethe University Frankfurt am Main, Frankfurt am Main, FFM ⁴ Sapienza Rome University, Rome, IT	

Saturday, September 23, 2023

TIME	EVENT	ROOM
10:30 – 11:30am	CARO-COMP Poster Discussion Session 2 (cont'd)	Salon ABC, Level B
11:00 – 11:05am	<p>149 ACCUMULATED KIDNEY DOSE IN RENAL STEREOTACTIC BODY RADIOTHERAPY: ANALYSIS FROM A PROSPECTIVE PHASE II TRIAL Joelle Helou¹, Jeff Winter², Jerusha Padayachee², Inmaculada Navarro², Tony Tadic², Srinivas Raman², Peter Chung², Padraig Warde², Antonio Finelli², Rob Hamilton², Tony Lam², Charles Catton², Alejandro Berlin², Jennifer Dang², Andrew McPartlin², Philip Ye², Laura Dawson² Rachel Glicksman² ¹Western University, London, ON ²University of Toronto, Toronto, ON</p>	
11:05 – 11:10am	<p>150 SUCCESS IS BEST WHEN IT IS SHARED: ONE DEPARTMENT'S INTERPROFESSIONAL TEAM EFFORT TO REDUCE WAIT TIME FOR HEAD AND NECK RADIATION THERAPY PATIENTS Marc LeBlanc, Jenna Clayfield, Murali Rajaraman, Nathan Lamond, Monique Ashe, Peilong Zhang, Leah Hensel, Steven Burrell, Carol-Anne Davis Dalhousie University, Halifax, NS</p>	
11:10 – 11:15am	<p>151 SURGEON, PATHOLOGIST AND PATHOLOGY TECHNICIAN EFFECTS ON NODAL YIELD AFTER A NECK DISSECTION Veeral Desai¹, Adam Mutsaers², Rui Fu², Mark Khoury², Carlos Khalil², Peter Leventis², Antoine Eskander², Zain Husain² ¹Queen's University, Kingston, ON ²University of Toronto, Toronto, ON</p>	
11:15 – 11:20am	<p>152 AN UPDATE OF STEREOTACTIC BODY RADIOTHERAPY (SBRT) FOR THE PALLIATION OF UNIRRADIATED MUCOSAL HEAD AND NECK SQUAMOUS CELL CARCINOMA (SCC) Mohammed Aldohan, Elwyn Zhang, Irene Karam, Andrew Bayley, Madette Galapin, Antoine Eskander, Kevin Higgins, Liying Zhang, Lee Chin, Ian Poon University of Toronto, Toronto, ON</p>	
10:30 – 11:30am	<p>CARO-COMP Poster Discussion Session 3 – Abstracts #153-160, 162, 163 <i>Moderators: Andrew Arifin, Hedi Mohseni</i> Objectives: By the end of this session, the participants will be able to: <ul style="list-style-type: none"> • Discover ongoing radiation medicine research taking place across a variety of areas. </p>	Centre Ballroom, Level 4
10:30 – 10:35am	<p>153 BIOMARKER STATUS PREDICTS FOR LOCAL CONTROL FOLLOWING SPINE STEREOTACTIC BODY RADIOTHERAPY IN NON-SMALL CELL LUNG CANCER PATIENTS WITH SPINAL METASTASES Dana Shor, Kang Liang Zeng, Hanbo Chen, Ines Menjak, Eshetu Atenafu, Chia-Lin (Eric) Tseng, Jay Detsky, Jeremie Larouche, Beibei Zhang, Hany Soliman, Pejman Maralani, Sten Myrehaug, Alexander V. Louie, Arjun Sahgal University of Toronto, Toronto, ON</p>	
10:35 – 10:40am	<p>154 PROSTATE STEREOTACTIC RADIOTHERAPY WITH AND WITHOUT A RECTAL SPACER: EFFECTS ON DOSIMETRY AND EARLY ACUTE TOXICITY Subhadip Das, Dominique Fortin, Isabelle Gagne, Winkle Kwan, Abraham Alexander University of British Columbia, Victoria, BC</p>	

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TIME	EVENT	ROOM
10:30 – 11:30am	CARO-COMP Poster Discussion Session 3 (cont'd)	Centre Ballroom, Level 4
10:40 – 10:45am	155 OUTCOMES OF HEAD AND NECK CUTANEOUS ANGIOSARCOMA TREATED IN THE IMRT ERA Saheli Saha, Shao Hui Huang, Brian O'Sullivan, Jie Su, Wei Xu, Ali Hosni Abdalaty, John Waldron, Jonathan Irish, John de Almeida, Ian Witterick, Eric Monteiro, Ralph Gilbert, Charles Catton, Peter Chung ¹ , Dale Brown, David Goldstein, Albiruni Abdul Razak, Patrick Gullane, Ezra Hahn University of Toronto, Toronto, ON	
10:45 – 10:50am	156 IMPACT OF IMMUNE, INFLAMMATORY, AND NUTRITIONAL INDICES ON OUTCOME IN PATIENTS WITH CERVICAL CANCER TREATED WITH DEFINITIVE (CHEMO) RADIOTHERAPY Ruth Fullerton ¹ , Kevin Martell ¹ , Rutvij A. Khanolkar ¹ , Tien Phan ¹ , Robyn Banerjee ¹ , Tyler Meyer ¹ , Laurel Traptow ² , Martin Köbel ¹ , Prafull Ghatage ¹ , Corinne M. Doll ¹ ¹ University of Calgary, Calgary, AB ² Tom Baker Cancer Centre, Calgary, AB	
10:50 – 10:55am	157 RECURRENCE RATES AND PATTERNS IN LOCALLY ADVANCED CERVICAL CANCER IN THE IMRT ERA: A SINGLE INSTITUTION EXPERIENCE Bayan Malakouti-Nejad, Ege Babadagli, Krystine Lupe, Tien Le, Rajiv Samant University of Ottawa, Ottawa, ON	
10:55 – 11:00am	158 PATTERNS OF TREATMENT AND OUTCOMES OF PATIENTS WITH BRAIN-ONLY METASTATIC BREAST CANCER Badr Id Said, Ellen Warner, Hany Soliman, Veronika Moravan, Sten Myrehaug, Chia-Lin Tseng, Jay Detsky, Arjun Sahgal, Katarzyna Jerzak University of Toronto, Toronto, ON	
11:00 – 11:05am	159 SBRT FOR EXTRACRANIAL OLIGOMETASTATIC HEAD AND NECK CANCER: A META-ANALYSIS Adam Mutsaers ¹ , Aquila Akingbade ² , Liying Zhang ¹ , Ian Poon ¹ , Alexander V Louie ¹ , Antoine Eskander ¹ , Irene Karam ¹ ¹ University of Toronto, Toronto, ON ² Western University, London, ON	
11:05 – 11:10am	160 OVoid APPLICATOR COMMISSIONING USING 2D OPTICAL SCINTILLATING IMAGING Robert Weersink, Hedi Mohseni, Jette Borg, Maryam Golshan, Akbar Beiki-Ardakani, Alexandra Rink University of Toronto, Toronto, ON	
11:10 – 11:15am	162 THE DEVELOPMENT AND ASSESSMENT OF A CORE-NEEDLE BIOPSY LOCALIZATION METHODOLOGY IMPLEMENTED DURING PROSTATE HIGH DOSE-RATE BRACHYTHERAPY TREATMENTS Matthew Muscat ¹ , Jeff Andrews ¹ , Felipe Castro Canovas ² , Juanita Crook ¹ , Andrew Jirasek ¹ , Nathan Becker ¹ ¹ University of British Columbia, Kelowna, BC ² British Columbia Cancer, Kelowna, BC	

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TIME	EVENT	ROOM
10:30 – 11:30am	CARO-COMP Poster Discussion Session 3 (cont'd)	Centre Ballroom, Level 4
11:15 – 11:20am	<p>163 EVALUATING THE INTER-OBSERVER VARIABILITY IN THE DELINEATION OF RECTAL LESIONS IN ENDOSCOPY IMAGES Alana Thibodeau-Antonacci¹, Corey Miller², Luca Weishaupt³, Aurélie Garant⁴, Te Vuong², Philippe Nicolai⁵, Shirin Enger^{1,3} ¹McGill University, Montréal, QC ²Jewish General Hospital, Montréal, QC ³Lady Davis Institute for Medical Research, Jewish General Hospital, Montréal, QC ⁴University of Texas Southwestern Medical Center, Dallas, TX ⁵Université de Bordeaux, Bordeaux, FR</p>	
11:30 – 11:45am	Stretch Break	
11:45 – 12:45pm	<p>CARO Oral Session 7 – Gynecologic and Genito-urinary Malignancies – Abstract #109-114 <i>Moderators: Gerard Morton, Ericka Wiebe</i> Objectives: By the end of this session, the participants will be able to:</p> <ul style="list-style-type: none"> • Discover and discuss current and ongoing gynecological oncology research taking place within radiation oncology. • Discover and discuss ongoing genito-urinary oncology research taking place within radiation oncology. 	Ouest Ballroom, Level 4
11:45 – 11:55am	<p>109 CLINICAL VALIDATION OF HPV CTDNA FOR EARLY DETECTION OF RESIDUAL DISEASE FOLLOWING CHEMORADIATION IN CERVICAL CANCER Kathy Han¹, Jinfeng Zou², Zhen Zhao², Zeynep Baskurt², Yangqiao Zheng², Elizabeth Barnes¹, Jennifer Croke¹, Anthony Fyles¹, Adam Gladwish¹, Magali Lecavalier-Barsoum³, Jelena Lukovic¹, Eve-Lyne Marchand⁴, Michael Milosevic¹, Amandeep Taggar¹, Scott Bratman¹, Eric Leung¹ ¹University of Toronto, Toronto, ON ²University Health Network, Toronto, ON ³Jewish General Hospital, Montréal, QC ⁴University of Montréal, Montréal, QC</p>	
11:55 – 12:05pm	<p>110 HYPOMAGNESEMIA AND SURVIVAL IN PATIENTS WITH CERVICAL CANCER TREATED WITH DEFINITIVE CHEMORADIOTHERAPY Ruth Fullerton¹, Kevin Martell¹, Rutvij A. Khanolkar¹, Tien Phan¹, Robyn Banerjee¹, Tyler Meyer¹, Laurel Traptow², Martin Köbel¹, Prafull Ghatage¹, Corinne M. Doll¹ ¹University of Calgary, Calgary, AB ²Tom Baker Cancer Centre, Calgary, AB</p>	
12:05 – 12:15pm	<p>111 RADIATION THERAPY IN RECURRENT ENDOMETRIAL CANCER POST ROBOTIC HYSTERECTOMY; AN INSTITUTIONAL REVIEW Zainab Al Habsi, Ericka Wiebe, Ananya Beruar, Sean Zhu, Sunita Ghosh, Jasmine Gill, Sophia Pin University of Alberta, Edmonton, AB</p>	
12:15 – 12:25pm	<p>112 IS HYPOFRACTIONATED WHOLE-PELVIS RADIOTHERAPY (WPRT) AS WELL TOLERATED AS CONVENTIONALLY FRACTIONATED WPRT IN PROSTATE CANCER PATIENTS? AN EARLY ANALYSIS OF THE HOPE-TRIAL Lucas C. Mendez^{1,2}, Glenn Bauman^{1,2}, Ross Halperin³, Kevin Martell⁴, Vikram Velker^{1,2}, Belal Ahmad^{1,2}, Michael Lock^{1,2}, Aneesh Dhar^{1,2}, Bryan Schaly², Douglas Hoover², Andrew Warner², Juanita Crook³, David D'Souza^{1,2} ¹Western University, London, ON ²London Health Sciences Centre, London, ON ³British Columbia Cancer, Kelowna, BC ⁴University of Calgary, Calgary, AB</p>	

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TIME	EVENT	ROOM
11:45 – 12:45pm	CARO Oral Session 7 – Gynecologic and Genito-urinary Malignancies (cont'd)	Quest Ballroom, Level 4
12:25 – 12:35pm	113 FINAL RESULTS FROM A PROSPECTIVE RANDOMIZED PILOT TRIAL OF STEREOTACTIC BODY RADIATION THERAPY VERSUS RADIOFREQUENCY ABLATION FOR THE MANAGEMENT OF SMALL RENAL MASSES (RADSTER) Anand Swaminath ¹ , Raees Cassim ¹ , Braden Millan ¹ , Oleg Mironov ¹ , Priya Ahir ² , Camilla Tajzler ³ , Jen Hoogenes ¹ , Kimmen Quan ¹ , Edward Matsumoto ¹ , Anil Kapoor ¹ ¹ McMaster University, Hamilton, ON ² St. Joseph's Health Care, Hamilton, ON ³ N/A, Toronto, ON	
12:35 – 12:45pm	114 STEREOTACTIC BODY RADIATION THERAPY (SBRT) AND HYPO-FRACTIONATED RADIATION THERAPY (HFRT) OUTCOMES FOR LOW AND INTERMEDIATE-RISK PROSTATE CANCER (PRCA): EXPERIENCE AT TWO ONTARIO CENTRES Hsin-pei (Spencer) Hu ^{1,2} , Gregory Anagnostopoulos ^{2,1} , Mohammad Gouran-Savadkoohi ^{1,2} , Ian Dayes ^{1,2} , Adrian Ishkanian ³ , Abhirami Hallock ³ , Himanshu Lukka ^{1,2} , Kimmen Quan ^{1,2} , Kara Schnarr ^{1,2} , David Cuthbert ³ , Mira Goldberg ^{1,2} , Theodoros Tsakiridis ^{1,3,2} ¹ Hamilton Health Sciences, Hamilton, ON ² McMaster University, Hamilton, ON ³ Niagara Health, St. Catharines, ON	
11:45 – 12:45pm	CARO-COMP Oral Session 5 – Mixed Clinical Services – Abstract #115-120 <i>Moderators: Jean Pierre Bissonnette, Fabio Cury</i> Objectives: By the end of this session, the participants will be able to: • Understand current and ongoing research taking place within radiation oncology and medical physics in a variety of categories.	Centre Ballroom, Level 4
11:45 – 11:55am	115 PREDICTORS OF TUMOUR DYNAMICS DURING A 6-WEEK COURSE OF CHEMORADIOTHERAPY FOR GLIOBLASTOMA Wee Loon Ong ^{1,2} , James Stewart ¹ , Arjun Sahgal ^{1,2} , Hany Soliman ^{1,2} , Chia-Lin Tseng ^{1,2} , Jay Detsky ^{1,2} , Ling Ho ^{1,2} , Sunit Das ¹ , Pejman Maralani ³ , Nir Lipsman ¹ , Greg Stanis ⁴ , James Perry ^{1,2} , Hanbo Chen ^{1,2} , Eshetu Atenafu ^{5,1} , Angus Lau ⁴ , Mark Ruschin ^{4,1} , Sten Myrehaug ^{1,2} ¹ University of Toronto, Toronto, ON ² Sunnybrook-Odetta Cancer Centre, Toronto, ON ³ Sunnybrook Health Sciences Centre, Toronto, ON ⁴ Sunnybrook Research Institute, Toronto, ON ⁵ University Health Network, Toronto, ON	
11:55 – 12:05pm	116 A CHARGED DEBATE: PHOTON VERSUS PROTON SBRT FOR HEAD AND NECK MUCOSAL PRIMARIES ACROSS TWO INSTITUTIONS Adam Mutsaers ¹ , Lee Chin ¹ , He Catherine Wang ² , Mohammed Aldohan ¹ , Christopher Goodman ³ , Xiaodong Zhang ² , Madette Galapin ¹ , Anna Lee ² , G. Brandon Gunn ² , Andrew Bayley ¹ , Ian Poon ¹ , Jack Phan ² , Irene Karam ¹ ¹ University of Toronto, Toronto, ON ² The University of Texas MD Anderson Cancer Center, Houston, TX ³ Western University, London, ON	
12:05 – 12:15pm	117 EVALUATION OF PLANNING TARGET VOLUME (PTV) IN THE OUTCOMES OF PROSTATE CANCER PATIENTS TREATED WITH MODERATE HYPOFRACTIONATED RADIOTHERAPY Rania Soliman ¹ , Luis Souhami ² , Marie Duclos ² , Fabio Cury ² , Horacio Patrocinio ² , Sergio Faria ² ¹ McGill University, Montréal, QC ² McGill University Health Centre, Montréal, QC	

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TIME	EVENT	ROOM
11:45 – 12:45pm	CARO-COMP Oral Session 5 – Mixed Clinical Services (cont'd)	Centre Ballroom, Level 4
12:15 – 12:25pm	118 CODE GREY IS STILL IN EFFECT: LESSONS LEARNED FROM A CYBERATTACK Teri Stuckless ^{1,2} , Donia MacDonald ¹ , Suzanne Drodge ^{1,2} , Maria Corsten ¹ , Susan Costello ¹ , Astrid Bilfalk-Kelly ^{1,2} ¹ Cancer Care Program, Eastern Health, NL ² Memorial University of Newfoundland and Labrador, NL	
12:25 – 12:35pm	119 AN MRI-BASED CONVOLUTIONAL NEURAL NETWORK TO PREDICT BIOCHEMICAL RECURRENCE FOLLOWING RADIOTHERAPY FOR INTERMEDIATE AND HIGH RISK LOCALIZED PROSTATE CANCER Negin Piran Nanekaran ¹ , Tony Felefly ² , Eranga Ukwatta ¹ , Nicola Schieda ² , Scott Morgan ² ¹ University of Guelph, Guelph, ON ² The Ottawa Hospital, University of Ottawa, Ottawa, ON	
12:35 – 12:45pm	120 DESIGN OF PATIENT SPECIFIC MULTI-CATHETER GYNECOLOGICAL BRACHYTHERAPY APPLICATORS WITH CUSTOMIZABLE CATHETER POSITIONS Jasmine Penney ^{1,2} , Dr. Krista Chytky-Praznik ^{2,1} , Dr. Amanda Cherpak ^{2,1} ¹ Dalhousie University, Halifax, NS ² Nova Scotia Health Authority, Halifax, NS	
11:45 – 12:45pm	COMP Oral Session 7 – Brachytherapy – Abstract # 121-126 <i>Moderators: Geetha Menon, Luc Beaulieu</i> Objectives: By the end of this session, the participants will be able to: • Discover ongoing brachytherapy research taking place within Medical Physics. • Learn about dosimetry and treatment planning applications and developments in brachytherapy.	Salon ABC, Level B
11:45 – 11:55am	121 NEURAL NETWORK DOSE PREDICTION FOR CERVICAL BRACHYTHERAPY: OVERCOMING DATA SCARCITY FOR APPLICATOR-SPECIFIC MODELS Lance Moore, Karoline Kallis, Nuno Vasconcelos, Kelly Kisling, Dominique Rash, Catheryn Yashar, Jyoti Mayadev, Kevin Moore, Sandra Meyers University of California San Diego, CA	
11:55 – 12:05pm	122 IS SELENIUM-75 A FEASIBLE HDR BRACHYTHERAPY SOURCE? Jake Reid ¹ , Shirin A. Enger ¹ , Jonathan Kalinowski ¹ , Andrea Armstrong ² , John Munro III ³ ¹ Lady Davis Institute for Medical Research, Jewish General Hospital, Montréal, QC ² McMaster University, Hamilton, ON ³ N/A, MA	
12:05 – 12:15pm	123 COMMISSIONING OF AN OPEN-SOURCE MONTE CARLO CODE FOR LOW DOSE RATE BRACHYTHERAPY DOSE EVALUATION Narjes Moghadam ¹ , Claire Zhang ^{2,3} , Samuel Ouellet ⁴ , Dakota Mckeown ^{2,5} , Joanna Cygler ⁶ , Michelle Hilts ^{2,5} , Luc Beaulieu ⁴ , Rowan Thomson ¹ ¹ Carleton University, Ottawa, ON ² British Columbia Cancer, Kelowna, BC ³ University of British Columbia, Kelowna, BC ⁴ Université Laval, Quebec City, QC ⁵ University of British Columbia, Kelowna, BC ⁶ The Ottawa Hospital, Ottawa, ON	

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TIME	EVENT	ROOM
11:45 – 12:45pm	COMP Oral 7 Session – Brachytherapy (cont'd)	Salon ABC, Level B
12:15 – 12:25pm	124 DEVELOPMENT OF A NOVEL DOSIMETRY SOFTWARE FOR PATIENT-SPECIFIC INTRAVASCULAR BRACHYTHERAPY TREATMENT PLANNING ON OPTICAL COHERENCE TOMOGRAPHY IMAGES Maryam Rahbaran ¹ , Jonathan Kalinowski ¹ , James Man Git Tsui ^{2,3,4} , Joseph DeCunha ⁵ , Kevin Croce ^{3,4} , Brian Bergmark ^{3,4} , Philip Devlin ^{3,4} , Shirin A. Enger ¹ ¹ McGill University, Montréal, QC ² McGill University Health Centre, Montréal, QC ³ Brigham & Women's Hospital, Boston MA ⁴ Harvard Medical School, Boston MA ⁵ The University of Texas MD Anderson Cancer Center, Houston, TX	
12:25 – 12:35pm	125 TOWARD THE TRANSLATION OF RECTAL INTENSITY MODULATED BRACHYTHERAPY FOR FEASIBILITY AND SAFETY STUDIES Jonathan Kalinowski ¹ , Shirin Enger ² ¹ McGill University, Montréal, QC ² Jewish General Hospital, Montréal, QC	
12:35 – 12:45pm	126 INVESTIGATION OF A MONTE CARLO MODEL BASED DOSE CALCULATION FOR ¹⁰³Pd LOW DOSE RATE BREAST BRACHYTHERAPY Dakota McKeown ¹ , Samuel Ouellet ² , Claire Zhang ¹ , Narjes Moghadam ³ , Eric Wright ⁴ , Felipe Castro Cánovas ¹ , Juanita Crook ¹ , Deidre Batchelar ⁴ , Joanna Cygler ⁵ , Luc Beaulieu ² , Rowan Thomson ³ , Michelle Hilts ⁴ ¹ University of British Columbia, Kelowna, BC ² Université Laval, Quebec City, QC ³ Carleton University, Ottawa, ON ⁴ British Columbia Cancer, Kelowna, BC ⁵ The Ottawa Hospital Cancer Centre, Ottawa, ON	
12:45 – 1:15pm	Refreshment Break	
1:15 – 2:45pm	Plenary Abstract Orals – Abstract #127-132 <i>Moderators: Wayne Beckham, David Roberge</i> Objectives: By the end of this session, the participants will be able to: • Discover the top-ranked research abstracts in radiation oncology and medical physics, and how they impact our cancer population. • Describe the results of innovative and practice changing research done by Canadian peers.	Centre Ballroom, Level 4
1:15 – 1:30pm	127 IMPACT OF BRACHYTHERAPY APPLICATOR ON CLINICAL OUTCOMES IN CERVIX CANCER: AN EMBRACE-I STUDY ANALYSIS Monica Serban ^{1,2} , Sofia Spampinato ² , Astrid de Leeuw ³ , Israel Fortin ⁴ , Nicole Nesvacil ⁵ , Christian Kirisits ⁵ , Maximilian Schmid ⁵ , Umesh Mahantshetty ⁶ , Peter Hoskin ⁷ , Barbara Segedin ⁸ , Kjersti Bruheim ⁹ , Fleur Huang ¹⁰ , Bradley Pieters ¹¹ , Remi Nout ¹² , Richard Pötter ⁵ , Kathrin Kirchheiner ⁵ , Ina Jürgenliemk-Schulz ³ , Kari Tanderup ² ¹ Princess Margaret Cancer Centre, Toronto, ON ² Aarhus University Hospital, Aarhus, DK ³ University Medical Centre Utrecht, Utrecht, NL ⁴ University of Montreal, Maisonneuve-Rosemont Hospital, Montreal, QC ⁵ Comprehensive Cancer Center, Medical University of Vienna, Vienna, AT ⁶ Tata Memorial Hospital, Mumbai, IN ⁷ Cancer Centre, Mount Vernon Hospital, London, UK ⁸ Institute of Oncology Ljubljana, University of Ljubljana, Ljubljana, SI ⁹ The Norwegian Radium Hospital, Oslo University Hospital, Oslo, NO ¹⁰ Cross Cancer Institute, University of Alberta, Edmonton, AB ¹¹ University of Amsterdam, Amsterdam, NL ¹² Erasmus MC Cancer Institute, University Medical Center Rotterdam, Rotterdam, NL	

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TIME	EVENT	ROOM
1:15 – 2:45pm	Plenary Abstract Orals (cont'd)	Centre Ballroom, Level 4
1:30 – 1:45pm	<p>128 LONG-TERM TOXICITY IN PATIENTS RECEIVING RADIOTHERAPY FOR ULTRACENTRAL STAGE I NON-SMALL CELL LUNG CANCER – A SECONDARY ANALYSIS OF THE LUSTRE RANDOMIZED TRIAL Che Hsuan David Wu¹, Marcin Wierzbicki², Sameer Parpia³, Vijayananda Kundapur⁴, Alexis Bujold⁵, Edith Filion⁵, Harold Lau⁶, Sergio Faria⁷, Naseer Ahmed⁸, Nelson Leong⁴, Gordon Okawara³, Khalid Hirmiz⁹, Timothy Owen¹⁰, Alexander Louie¹¹, James Wright³, Timothy Whelan³, Anand Swaminath³ ¹British Columbia Cancer, Victoria, Victoria, BC ²Juravinski Cancer Centre, Hamilton, ON ³McMaster University, Hamilton, ON ⁴University of Saskatchewan, Saskatoon, SK ⁵Université de Montréal, Montréal, QC ⁶University of Calgary, Calgary, AB ⁷McGill University, Montréal, QC ⁸University of Manitoba, Winnipeg, MB ⁹Western University, London, ON ¹⁰Queen's University, Kingston, ON ¹¹University of Toronto, Toronto, ON</p>	
1:45 – 2:00pm	<p>129 ASSESSMENT OF PRECISION IRRADIATION IN EARLY NON-SMALL CELL LUNG CANCER AND INTERSTITIAL LUNG DISEASE (ASPIRE-ILD): PRIMARY ANALYSIS OF A PHASE II TRIAL David Palma¹, Houda Bahig², Andrew Hope³, Stephen Harrow⁴, Brock Debenham⁵, Alexander Louie⁶, Toni Vu², Edith Filion², Andrea Bezjak⁶, Marie-Pierre Campeau², Adele Duimering⁵, Meredith Giuiliani⁶, Joanna Laba¹, Benjamin Lok⁶, Pencilla Lang¹, X. Melody Qu¹, Srinivas Raman⁶, George Rodrigues¹, Christopher Goodman¹, Stewart Gaede⁷, Julie Morisset², Andrew Warner¹, Inderdeep Dhaliwal¹, Christopher Ryerson⁸ ¹London Health Sciences Centre, London, ON ²Centre Hospitalier de l'Université de Montréal, Montréal, QC ³University of Toronto, Toronto, ON ⁴Beatson West of Scotland Cancer Centre, Edinburgh, SC ⁵University of Alberta, Edmonton, AB ⁶University of Toronto, Toronto, ON ⁷Western University, London, ON ⁸University of British Columbia, Vancouver, BC</p>	
2:00 – 2:15pm	<p>130 DEVELOPMENT OF A PRIMARY STANDARD OF ABSORBED DOSE TO WATER FOR PROTON BEAMS Claudiu Cojocaru¹, James Renaud¹, Cornelia Hoehr², Camille Belanger-Champagne², Michael Trinczek², Malcolm McEwen¹ ¹National Research Council, Ottawa, ON ²TRIUMF, Vancouver, BC</p>	
2:15 – 2:30pm	<p>131 A PROSPECTIVE STUDY OF MR-ASSISTED SALVAGE HDR PROSTATE BRACHYTHERAPY WITH INTRA-PROSTATIC BOOST Hans Chung^{1,2}, Andrew Loblaw^{1,2}, Chia-Lin Tseng^{1,2}, Jure Murgic³, Ananth Ravi², Melanie Davidson^{1,2}, Matt Wronski^{1,2}, Moti Paudel^{1,2}, Masoom Haider², Andrea Deabreu¹, Gerard Morton^{1,2} ¹Sunnybrook-Odette Cancer Centre, Toronto, ON ²University of Toronto, Toronto, ON ³University Hospital Center Sestre Milosrdnice, Zagreb, HR</p>	

September 20-23, 2023

Saturday, September 23, 2023

TIME	EVENT	ROOM
1:15 – 2:45pm	Plenary Abstract Orals (cont'd)	Centre Ballroom, Level 4
2:30 – 2:45pm	132 HYPOXIA ON A CHIP Elena Refet-Mollof ^{1,2} , Rodin Chermat ^{1,2} , Thomas Gervais ^{1,2} , Philip Wong ^{2,3,4,5} ¹ Polytechnique Montréal, ² Centre de Recherche du Centre Hospitalier de l'Université de Montréal (crCHUM), ³ University Health Network, Toronto, ON ⁴ University of Toronto, Toronto, ON ⁵ Princess Margaret Cancer Centre, Toronto, ON	
2:45 – 3:00pm	Closing Remarks	

Wi-Fi

Network: Sheraton_Conference
Code: carocomp2023



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Abstracts #48, 100, 133-138

NO.	ABSTRACT TITLE
48	<p>FOCAL BRACHYTHERAPY FOR LOCALIZED PROSTATE CANCER: SYSTEMATIC REVIEW AND META-ANALYSIS Enrique Gutierrez Valencia¹, Inmaculada Navarro¹, Ronald Chow¹, Kailee Zhou¹, Rouhi Fazelzad¹, Matthew Ramotar¹, Irving Sanchez², Victor Ruiz², Robert Weersink¹, Rachel Glicksman¹, Alejandro Berlin¹, Peter Chung¹, Srinivas Raman¹ ¹Princess Margaret Cancer Centre, Toronto, ON ²University of Guadalajara, Guadalajara, MX</p>
100	<p>PROGNOSTIC ASSOCIATIONS OF THE NEUTROPHIL-TO-LYMPHOCYTE AND PLATELET-TO-LYMPHOCYTE RATIO IN PATIENTS TREATED WITH SURGERY FOR PLEURAL MESOTHELIOMA AFTER RADIOTHERAPY Enrique Gutierrez Valencia, Nicholas McNeil, Rohan Salunkhe, Avipsa Das, Jessica Weiss, Natasha Leighl, Shaf Keshavjee, Marc de Perrot, Andrea Bezjak, Alexander Sun, John Cho Princess Margaret Cancer Centre, Toronto, ON</p>
133	<p>PREDICTORS OF STAFF SATISFACTION, STRESS, AND BURNOUT AT A CANADIAN CANCER CENTRE Ege Babadagli¹, Selena Laprade¹, Gordon Locke¹, Angela McNeil¹, Joanne Meng¹, Julie Renaud¹, Elisabeth Cisa-Pare², Jessica Chan³, Jiheon Song⁴, Rajiv Samant¹ ¹University of Ottawa, Ottawa, ON ²Northern Ontario School of Medicine, Thunder Bay, ON ³University of British Columbia, Vancouver, BC ⁴University of Toronto, Toronto, ON</p>
134	<p>A QUALITATIVE ANALYSIS OF MEDICAL STUDENT REFLECTIONS FOLLOWING PARTICIPATION IN A CANADIAN RADIATION ONCOLOGY STUDENTSHIP Brandon Chai¹, Meredith Giuliani², Joanne Alfieri³, Jeffery Cao^{4,9}, Andrea Bezjak², Michael Kim⁵, Che Hsuan David Wu⁶, Nauman Malik⁷, David Mak², Paris-Ann Ingledew^{1,8} ¹University of British Columbia, Vancouver, BC ²Princess Margaret Cancer Centre, Toronto, ON ³McGill University, Montréal, QC ⁴University of Calgary, Calgary, AB ⁵Dalhousie University, Halifax, NS ⁶British Columbia Cancer, Victoria, BC ⁷University of California, San Francisco, CA ⁸British Columbia Cancer, Vancouver, BC ⁹Tom Baker Cancer Centre, Calgary, AB</p>
135	<p>EXPLORING FAMILY PHYSICIAN TRAINING NEEDS TO IMPROVE CANCER PATIENT CARE Marissa Sherwood¹, Janet Papadakos¹, Kulamahan Kulasegaram¹, Maria A. Martimianakis¹, Edward Kucharski², Meredith Giuliani¹ ¹University of Toronto, Toronto, ON ²Casey House Hospital, Toronto, ON</p>
136	<p>INVESTIGATING A RESIDUAL NEURAL NETWORK TO GENERATE CUSTOMIZABLE RADIOFREQUENCY PULSES FOR MAGNETIC RESONANCE IMAGING Seger Nelson, Rebecca Feldman University of British Columbia, Kelowna, BC</p>
137	<p>STEREOTACTIC BOOST AND SHORT-COURSE RADIOTHERAPY FOR P16-ASSOCIATED OROPHARYNX CANCER (SHORT-OPC): FIRST PLANNED INTERIM SAFETY ANALYSIS FROM A RANDOMIZED PHASE II TRIAL Sweet Ping Ng¹, David C. Fuller², Adam S. Garden², David I. Rosenthal², Jack Phan², Phuc Felix Nguyen-Tan³, Ying Yuan², Edith Filion³, Denis Soulieres³, Apostolos Christopoulos³, Katherine Hutcheson², Anna Lee², Houda Bahig¹ ¹Austin Health, Austin, TX ²The University of Texas MD Anderson Cancer Center, Houston, TX ³Centre Hospitalier de l'Université de Montréal, Montréal, QC</p>
138	<p>FIVE-YEAR FEASIBILITY STUDY OF A THREE-DAY RAPID ACCESS PALLIATIVE VMAT PROGRAM IN A TWO LINAC CENTRE Quinn Matthews¹, Kim Lawyer¹, Evan Maynard¹, Robert Olson¹, Allison Ye¹, Vivian Yau¹, Stacy Miller¹, Boris Valev², Nick Chng¹ ¹British Columbia Cancer, Prince George, BC ²British Columbia Cancer, Victoria, BC</p>

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Abstracts #139-145

NO.	ABSTRACT TITLE
139	<p>EFFECT OF COBALT-60 CALIBRATION DOSE-RATE ON ARTERIOVENOUS MALFORMATION OBLITERATION AFTER STEREOTACTIC RADIOSURGERY</p> <p>Victoria Anthes¹, Michael Schwartz², Michael Cusimano³, Ivan Radovanovic⁴, Abhaya Kulkarni⁵, Normand Laperriere⁶, David Payne⁶, Robert Heaton⁶, Monique van Prooijen⁶, Sunit Das³, Derek Tsang⁶</p> <p>¹University of Toronto, Toronto, ON ²Sunnybrook Health Sciences Centre, Toronto, ON ³St. Michael's Hospital, Toronto, ON ⁴University Health Network, Toronto, ON ⁵Hospital for Sick Children, Toronto, ON ⁶Princess Margaret Cancer Centre, Toronto, ON</p>
140	<p>ADAPTIVE STAGED STEREOTACTIC RADIOSURGERY TO SALVAGE PREVIOUSLY IRRADIATED BRAIN METASTASES</p> <p>Dana Shor, Kang Liang Zeng, Lori Holden, Hanbo Chen, Pejman Maralani, Chris Heyn, Beibei Zhang, Sten Myrehaug, Chia-Lin (Eric) Tseng, Jay Detsky, Hany Soliman, Arjun Sahgal</p> <p>University of Toronto, Toronto, ON</p>
141	<p>TOXICITY AND ONE YEAR OUTCOMES IN A SERIES OF SIX PATIENTS RECEIVING STEREOTACTIC ARRHYTHMIA RADIOABLATION FOR VENTRICULAR TACHYCARDIA</p> <p>Ian J. Gerard, Alfieri Joanne, Gabriela Stroian, Valeria Anglesio, Martin Bernier, Tarek Hijal, Sarah Konermann, Neil Kopek, Piotr Pater, Bruno Toscani Gomes da Silveira</p> <p>McGill University, Montréal, QC</p>
142	<p>PATIENT-REPORTED DISTRESS AND ACUTE CARE UTILIZATION FOR CERVICAL CANCER PATIENTS UNDERGOING CONCURRENT CHEMO-RADIATION AND BRACHYTHERAPY</p> <p>Areeb Hassan¹, Alyssa Macedo¹, Genevieve Bouchard-Fortier¹, Stephanie L'heureux², Manjula Mangati¹, Kathy Han², Candice Yu¹, Madeline Li², Jennifer Croke²</p> <p>¹Princess Margaret Cancer Centre, Toronto, ON ²University of Toronto, Toronto, ON</p>
143	<p>NOPAUSE: INITIAL EXPERIENCE DEPLOYING A NOVEL MULTI-CENTRE VMAT PLAN AUTOMATION SYSTEM</p> <p>Nick Chng¹, Fred Cao¹, Michael Lamey², Sergei Zavgorodni³, Quinn Matthews¹, Parmveer Atwal⁴, Robert Olson¹</p> <p>¹British Columbia Cancer, Prince George, BC ²British Columbia Cancer, Kelowna, BC ³British Columbia Cancer, Victoria BC ⁴British Columbia Cancer, Abbotsford, BC</p>
144	<p>VALIDATION OF GPU-ACCELERATED MONTE CARLO SIMULATIONS FOR PATIENT-SPECIFIC CT DOSE CALCULATIONS</p> <p>Ronan Lefol¹, Yannick Lemaréchal¹, Jonathan Boivin², Philippe Després¹</p> <p>¹Université Laval, Quebec City, QC ²CHU de Québec-Université Laval, Quebec City, QC</p>
145	<p>QUANTIFICATION OF RADIOMIC FEATURE VARIABILITY ACROSS PROVINCIAL COMPUTED TOMOGRAPHY SCANNERS</p> <p>Lorna Tu^{1,2}, Herve Choi², Haley Clark^{1,3}, Bradford Gill², Scott Young², Samantha Lloyd^{1,2}</p> <p>¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver BC ³British Columbia Cancer, Surrey, BC</p>

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Abstracts #146-152

NO.	ABSTRACT TITLE
146	<p>FIVE-YEAR RENAL FUNCTION OUTCOMES AFTER SABR FOR PRIMARY RENAL CELL CARCINOMA: A REPORT FROM THE INTERNATIONAL RADIOSURGERY ONCOLOGY CONSORTIUM OF THE KIDNEY (IROCK)</p> <p>Vivian Tan¹, Alexander Louie², Andrew Warner¹, Muhammad Ali³, Alexander Muacevic⁴, Lee Ponsky⁵, Rodney Ellis⁶, Simon Lo⁷, Hiroshi Onishi⁸, Anand Swaminath⁹, Young Suk Kwon¹⁰, Scott Morgan¹¹, Fabio Cury¹², Bin Teh¹³, Anand Mahadevan¹⁴, Irving Kaplan¹⁵, William Chu², Raquibul Hannan¹⁰, Michael Staehler⁴, William Grubb¹⁶, Shankar Siva³, Rohann Correa¹</p> <p>¹Western University, London, ON ²University of Toronto, Toronto, ON ³Peter MacCallum Cancer Centre, Melbourne, AU ⁴University of Munich Hospitals, Munich, DE ⁵Case Western Reserve University, Cleveland, OH ⁶GenesisCare, Cape Coral, FL ⁷University of Washington School of Medicine, Seattle, WA ⁸University of Yamanashi, Yamanashi, JP ⁹McMaster University, Hamilton, ON ¹⁰University of Texas Southwestern Medical Center, Dallas, TX ¹¹University of Ottawa, Ottawa, ON ¹²McGill University, Montréal, QC ¹³Houston Methodist Hospital Cancer Center and Research Institute, Houston, TX ¹⁴NYU Langone Health, New York, NY ¹⁵Beth Israel Deaconess Medical Center, Boston, MA ¹⁶Augusta University, Augusta, GA</p>
147	<p>EVALUATION OF VOLUMETRIC RESPONSE ASSESSMENT FROM STEREOTACTIC ABLATIVE RADIOTHERAPY (SABR) FOR RENAL CELL CARCINOMA (RCC)</p> <p>Daniel Schep^{1,2}, Ian Dayes^{1,2}, Himanshu Lukka^{1,2}, Kimmen Quan^{1,2}, Anil Kapoor^{2,3}, Jasmin Vansantvoort¹, Tom Chow¹, Anand Swaminath^{1,2}</p> <p>¹Juravinski Cancer Centre, Hamilton, ON ²McMaster University, Hamilton, ON ³St. Joseph's Health Care, Hamilton, ON</p>
148	<p>IMPACT OF STATIN USE ON BIOCHEMICAL RECURRENCE IN PROSTATE CANCER PATIENTS TREATED WITH RADIATION THERAPY</p> <p>Danny Lavigne¹, Kevin Kaulanjan², Benedikt Hoeh³, Fred Saad¹, Pierre I. Karakiewicz¹, Rocco Simone Flammia⁴, Luis Alex Kluth³, Philipp Mandel³, Felix K.H. Chun³, Daniel Taussky¹</p> <p>¹Université de Montréal, Montréal, QC ²Université des Antilles, Pointe-à-Pitres, FR ³Goethe University Frankfurt am Main, Frankfurt am Main, FFM ⁴Sapienza Rome University, Rome, IT</p>
149	<p>ACCUMULATED KIDNEY DOSE IN RENAL STEREOTACTIC BODY RADIOTHERAPY: ANALYSIS FROM A PROSPECTIVE PHASE II TRIAL</p> <p>Joelle Helou¹, Jeff Winter², Jerusha Padayachee², Inmaculada Navarro², Tony Tadic², Srinivas Raman², Peter Chung², Padraig Warde², Antonio Finelli², Rob Hamilton², Tony Lam², Charles Catton², Alejandro Berlin², Jennifer Dang², Andrew McPartlin², Philip Ye², Laura Dawson², Rachel Glicksman²</p> <p>¹Western University, London, ON ²University of Toronto, Toronto, ON</p>
150	<p>SUCCESS IS BEST WHEN IT IS SHARED: ONE DEPARTMENT'S INTERPROFESSIONAL TEAM EFFORT TO REDUCE WAIT TIME FOR HEAD AND NECK RADIATION THERAPY PATIENTS</p> <p>Marc LeBlanc, Jenna Clayfield, Murali Rajaraman, Nathan Lamond, Monique Ashe, Peilong Zhang, Leah Hensel, Steven Burrell, Carol-Anne Davis</p> <p>Dalhousie University, Halifax, NS</p>
151	<p>SURGEON, PATHOLOGIST AND PATHOLOGY TECHNICIAN EFFECTS ON NODAL YIELD AFTER A NECK DISSECTION</p> <p>Veeral Desai¹, Adam Mutsaers², Rui Fu², Mark Khoury², Carlos Khalil², Peter Leventis², Antoine Eskander², Zain Husain²</p> <p>¹Queen's University, Kingston, ON ²University of Toronto, Toronto, ON</p>
152	<p>AN UPDATE OF STEREOTACTIC BODY RADIOTHERAPY (SBRT) FOR THE PALLIATION OF UNIRRADIATED MUCOSAL HEAD AND NECK SQUAMOUS CELL CARCINOMA (SCC)</p> <p>Mohammed Aldohan, Elwyn Zhang, Irene Karam, Andrew Bayley, Madette Galapin, Antoine Eskander, Kevin Higgins, Liying Zhang, Lee Chin, Ian Poon</p> <p>University of Toronto, Toronto, ON</p>

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Abstracts #153-163

NO.	ABSTRACT TITLE
153	<p>BIOMARKER STATUS PREDICTS FOR LOCAL CONTROL FOLLOWING SPINE STEREOTACTIC BODY RADIOTHERAPY IN NON-SMALL CELL LUNG CANCER PATIENTS WITH SPINAL METASTASES</p> <p>Dana Shor, Kang Liang Zeng, Hanbo Chen, Ines Menjak, Eshetu Atenafu, Chia-Lin (Eric) Tseng, Jay Detsky, Jeremie Larouche, Beibei Zhang, Hany Soliman, Pejman Maralani, Sten Myrehaug, Alexander V. Louie, Arjun Sahgal University of Toronto, Toronto, ON</p>
154	<p>PROSTATE STEREOTACTIC RADIOTHERAPY WITH AND WITHOUT A RECTAL SPACER: EFFECTS ON DOSIMETRY AND EARLY ACUTE TOXICITY</p> <p>Subhadip Das, Dominique Fortin, Isabelle Gagne, Winkle Kwan, Abraham Alexander University of British Columbia, Victoria, BC</p>
155	<p>OUTCOMES OF HEAD AND NECK CUTANEOUS ANGIOSARCOMA TREATED IN THE IMRT ERA</p> <p>Saheli Saha, Shao Hui Huang, Brian O'Sullivan, Jie Su, Wei Xu, Ali Hosni Abdalaty, John Waldron, Jonathan Irish, John de Almeida, Ian Witterick, Eric Monteiro, Ralph Gilbert, Charles Catton, Peter Chung, Dale Brown, David Goldstein, Albiruni Abdul Razak, Patrick Gullane, Ezra Hahn University of Toronto, Toronto, ON</p>
156	<p>IMPACT OF IMMUNE, INFLAMMATORY, AND NUTRITIONAL INDICES ON OUTCOME IN PATIENTS WITH CERVICAL CANCER TREATED WITH DEFINITIVE (CHEMO) RADIOTHERAPY</p> <p>Ruth Fullerton¹, Kevin Martell¹, Rutvij A. Khanolkar¹, Tien Phan¹, Robyn Banerjee¹, Tyler Meyer¹, Laurel Traptow², Martin Köbel¹, Prafull Ghatage¹, Corinne M. Doll¹ ¹University of Calgary, Calgary, AB ²Tom Baker Cancer Centre, Calgary, AB</p>
157	<p>RECURRENCE RATES AND PATTERNS IN LOCALLY ADVANCED CERVICAL CANCER IN THE IMRT ERA: A SINGLE INSTITUTION EXPERIENCE</p> <p>Bayan Malakouti-Nejad, Ege Babadagli, Krystine Lupe, Tien Le, Rajiv Samant University of Ottawa, Ottawa, ON</p>
158	<p>PATTERNS OF TREATMENT AND OUTCOMES OF PATIENTS WITH BRAIN-ONLY METASTATIC BREAST CANCER</p> <p>Badr Id Said, Ellen Warner, Hany Soliman, Veronika Moravan, Sten Myrehaug, Chia-Lin Tseng, Jay Detsky, Arjun Sahgal, Katarzyna Jerzak University of Toronto, Toronto, ON</p>
159	<p>SBRT FOR EXTRACRANIAL OLIGOMETASTATIC HEAD AND NECK CANCER: A META-ANALYSIS</p> <p>Adam Mutsaers¹, Aquila Akingbade², Liying Zhang¹, Ian Poon¹, Alexander V Louie¹, Antoine Eskander¹, Irene Karam¹ ¹University of Toronto, Toronto, ON ²Western University, London, ON</p>
160	<p>OVOID APPLICATOR COMMISSIONING USING 2D OPTICAL SCINTILLATING IMAGING</p> <p>Robert Weersink, Hedi Mohseni, Jette Borg, Maryam Golshan, Akbar Beiki-Ardakani, Alexandra Rink University of Toronto, Toronto, ON</p>
161	<p>REAL-TIME RADIOBIOLOGICAL MODELLING: THE DEVELOPMENT OF A TOOL FOR ON-THE-FLY BED ASSESSMENT FOR HDR BRACHYTHERAPY</p> <p>Matthew Mouawad¹, Niranjana Venugopal^{1,2} ¹CancerCare Manitoba, Winnipeg, MB ²University of Manitoba, Winnipeg, MB</p>
162	<p>THE DEVELOPMENT AND ASSESSMENT OF A CORE-NEEDLE BIOPSY LOCALIZATION METHODOLOGY IMPLEMENTED DURING PROSTATE HIGH DOSE-RATE BRACHYTHERAPY TREATMENTS</p> <p>Matthew Muscat¹, Jeff Andrews¹, Felipe Castro Canovas², Juanita Crook¹, Andrew Jirasek¹, Nathan Becker¹ ¹University of British Columbia, Kelowna, BC ²British Columbia Cancer, Kelowna, BC</p>
163	<p>EVALUATING THE INTER-OBSERVER VARIABILITY IN THE DELINEATION OF RECTAL LESIONS IN ENDOSCOPY IMAGES</p> <p>Alana Thibodeau-Antonacci¹, Corey Miller², Luca Weishaupt³, Aurélie Garant⁴, Te Vuong², Philippe Nicolai⁵, Shirin Enger^{1,3} ¹McGill University, Montréal, QC ²Jewish General Hospital, Montréal, QC ³Lady Davis Institute for Medical Research, Jewish General Hospital, Montréal, QC ⁴University of Texas Southwestern Medical Center, Dallas, TX ⁵Université de Bordeaux, Bordeaux, FR</p>

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Abstracts #164-174

NO.	ABSTRACT TITLE
164	<p>DYNAMIC PREDICTION OF TOXICITIES IN HEAD AND NECK CANCER RADIOTHERAPY BY 3D CONVOLUTIONAL NEURAL NETWORK USING DAILY CONE-BEAM CTS</p> <p>Charmin (Chulmin) Bang¹, Willam Trung Le², Phuc Felix Nguyen-Tan¹, Édith Filion¹, Denis Soulières¹, Brian O'Sullivan¹, Apostolos Christopoulos¹, Éric Bissada¹, Tareck Ayad¹, Louis Guertin¹, Arthur Lalonde¹, Daniel Markel¹, Samuel Kadoury², Houda Bahig¹</p> <p>¹Centre Hospitalier de l'Université de Montréal, Montréal, QC ²Polytechnique Montréal, Montréal, QC</p>
165	<p>DOSIMETRIC IMPACT OF USING MACHINE LEARNING-PREDICTED HYBRID INTERSTITIAL NEEDLE ARRANGEMENTS FOR HIGH-DOSE-RATE CERVICAL BRACHYTHERAPY</p> <p>Kailyn Stenhouse¹, Sarah Quirk², Michael Roumeliotis³, Kevin Martell¹, Robyn Banerjee¹, Tien Phan¹, Corinne Doll¹, Philip Ciunkiewicz¹, Svetlana Yanushkevich¹, Philip McGeachy¹</p> <p>¹University of Calgary, Calgary, AB ²Brigham & Women's Hospital, Boston, MA ³Johns Hopkins University, Baltimore, MD</p>
166	<p>DEEP LEARNING-BASED TRANSFER OF TG-43 BASED DOSE TO WATER TO DOSE TO MEDIUM IN MEDIUM IN HIGH DOSE RATE BRACHYTHERAPY</p> <p>Sébastien Quetin¹, Boris Bahoric^{1,2}, Farhad Maleki³, Shirin Abbasiengad Enger¹</p> <p>¹McGill University, Montréal, QC ²Jewish General Hospital, Montréal, QC ³University of Calgary, Calgary, AB</p>
167	<p>MULTI-TIMEPOINT DOSIOMIC MODELING OF PATIENT-REPORTED DYSPHAGIA</p> <p>Owen Paetkau¹, Sarah Weppeler², Andrea Seibel², Ekaterina Tchistiakova¹, Charles Kirkby¹</p> <p>¹University of Calgary, Calgary, AB ²Tom Baker Cancer Centre, Calgary, AB</p>
168	<p>LEARNING-EMPOWERED REAL-TIME NEEDLE IDENTIFICATION FOR ULTRASOUND-GUIDED PERCUTANEOUS LIVER TUMOUR ABLATIONS</p> <p>Shuwei Xing¹, Ningtao Liu^{1,3}, Derek W. Cool¹, Elvis C.S. Chen^{1,2}, Terry M. Peters¹, Aaron Fenster¹</p> <p>¹Western University, London, ON ²Lawson Health Research Institute, London, ON ³School of Artificial Intelligence, Xidian University, CN</p>
169	<p>QUALITATIVE EVALUATION OF AI CONTOURS</p> <p>Radim Barta¹, Charles Kirkby^{2,3}, Conor Shaw^{2,3}, Samuel See⁴, Ian Nygren^{1,5}</p> <p>¹Central Alberta Cancer Centre, Alberta Health Services, Red Deer, AB ²Jack Ady Cancer Centre, Alberta Health Services, Lethbridge, AB ³University of Calgary, Calgary, AB ⁴Grande Prairie Cancer Centre, Alberta Health Services, Grand Prairie, AB ⁵University of Alberta, Edmonton, AB</p>
170	<p>TOWARDS AI-BASED DOSE PREDICTION OF DAILY DELIVERED DOSE DURING LUNG CANCER RADIOTHERAPY</p> <p>Matthieu Chenier¹, Marcin Wierzbicki²</p> <p>¹McMaster University, Hamilton, ON ²Juravinski Cancer Centre, Hamilton, ON</p>
171	<p>EVALUATING THE PERFORMANCE OF CHATGPT AT BREAST TUMOUR BOARD</p> <p>Yang Xu, Natalie Logie, Tien Phan, Lisa Barbera, Robert Nordal, Jordan Stosky, Sangjune Lee</p> <p>University of Calgary, Calgary, AB</p>
173	<p>PLASMA COLLECTED DURING RADIOTHERAPY IN TRIPLE-NEGATIVE BREAST CANCER PATIENT STIMULATES DEVELOPMENT OF LUNG METASTASES IN A MOUSE MODEL</p> <p>Benoit Paquette¹, Hélène Therriault¹, Isabelle Gauthier², Sawyna Provencher²</p> <p>¹Université de Sherbrooke, Sherbrooke, QC ²Centre hospitalier Universitaire de Sherbrooke, Sherbrooke, QC</p>
174	<p>NEUTROPHIL-TO-LYMPHOCYTE RATIO POST-HYPOFRACTIONATED RADIATION THERAPY IN SOFT TISSUE SARCOMAS IS A PROGNOSTIC BIOMARKER FOR RECURRENCE AND METASTASES</p> <p>Constanza Martinez, Rie Asso, Neelabh Rastogi, Carolyn Freeman, Fabio Cury</p> <p>McGill University, Montréal, QC</p>

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Abstracts #175-184

NO.	ABSTRACT TITLE
175	<p>ELIMINATE CANCER CELLS INFILTRATED IN THE BRAIN BY ATTRACTING THEM INTO A MACROPOROUS HYDROGEL TRAP</p> <p>Benoit Paquette¹, Caroline Safi², Sahar Naasri¹, Angela Giraldo Solano¹, H�el�ene Therriault¹, Beno�t Liberelle², Nathalie Fauchoux¹, Marc-Antoine Lauzon¹, Nick Virgilio²</p> <p>¹Universit� de Sherbrooke, Sherbrooke, QC ²Polytechnique Montr�al, Montr�al, QC</p>
176	<p>COMBINED EFFECTS OF ARSENIC AND RADIATION</p> <p>Connie Le, Shengwen Shen, Michael Weinfeld, Chris Le</p> <p>University of Alberta, Edmonton, AB</p>
177	<p>SINGLE CELL RNA SEQUENCING CHARACTERIZATION OF AN IN VITRO MODEL FOR STUDIES OF HEPATITIS B VIRUS</p> <p>Connie Le¹, Reshma Sirajee², Rineke Steenbergen¹, Michael Joyce¹, William Addison¹, D. Lorne Tyrrell¹</p> <p>¹University of Alberta, Edmonton, AB ²University of Calgary, Calgary, AB</p>
178	<p>PRELIMINARY INVESTIGATION OF PLACENTAL [1-13C]PYRUVATE METABOLISM CORRELATED WITH PLACENTAL EFFICIENCY IN GUINEA PIGS</p> <p>Lindsay E. Morris¹, Lanette J. Friesen-Waldner¹, Timothy R.H. Regnault^{1,2}, Charles A. McKenzie^{1,2}</p> <p>¹Western University, London, ON ²Children's Health Research Institute, London, ON</p>
179	<p>VALIDATION OF THE MONTREAL SPLIT-RING APPLICATOR IN A GYNECOLOGICAL PHANTOM SIMULATING CLINICAL IMPLANTS CONDITIONS IN INTRACAVITARY/INTERSTITIAL BRACHYTHERAPY</p> <p>Marie-�ve Roy^{1,2}, Maroie Barkati², Marie-Claude Beauchemin², Yuji Kamio^{2,3}, St�phane Bedwani^{1,2,3}</p> <p>¹Universit� de Montr�al, Montr�al, QC ²Centre Hospitalier de l'Universit� de Montr�al, Montr�al, QC ³Centre de Recherche du Centre Hospitalier de l'Universit� de Montr�al (crCHUM), Montr�al, QC</p>
180	<p>LARGE-SCALE RETROSPECTIVE MC DOSE RECALCULATION FOR PERMANENT IMPLANT PROSTATE BRACHYTHERAPY</p> <p>Samuel Ouellet¹, �ric Vigneault¹, Andr�-Guy Martin¹, Yannick Lemar�chal¹, Francisco Berumen¹, Marie-Claude Lavall�e¹, William Foster¹, Rowan Thomson², Philippe Despr�s¹, Luc Beaulieu¹</p> <p>¹Universit� Laval, Quebec City, QC ²Carleton University, Ottawa, ON</p>
181	<p>RAPIDBRACHYT43: A TG-43 PARAMETER AND DOSE CALCULATION MODULE FOR RAPIDBRACHYMCTPs</p> <p>Jonathan Kalinowski¹, Shirin Enger²</p> <p>¹McGill University, Montr�al, QC ²Jewish General Hospital, Montr�al, QC</p>
182	<p>ACUTE TOXICITY OUTCOMES FROM SALVAGE HIGH-DOSE-RATE BRACHYTHERAPY FOR LOCALLY RECURRENT PROSTATE CANCER AFTER PRIOR RADIOTHERAPY</p> <p>Breanna Fang¹, Phillip McGeachy¹, Siraj Husain¹, Tyler Meyer¹, Kundan Thind², Kevin Martell¹</p> <p>¹University of Calgary, Calgary, AB ²Henry Ford Health System, Detroit, MI</p>
183	<p>MONTE CARLO INVESTIGATION OF DOSE DISTRIBUTION OF UNIFORMLY AND NON-UNIFORMLY LOADED STANDARD AND NOTCHED EYE PLAQUES</p> <p>Robert Weersink¹, Oleksii Semeniuk¹, Victor Malkov¹, Marc Chamberland²</p> <p>¹University of Toronto, Toronto, ON ²University of Vermont, Burlington, VT</p>
184	<p>AUTOMATED HDR QA TESTS USING AN ORGANIC PLASTIC SCINTILLATOR WITH OPENCV</p> <p>Richard Lee¹, David Sasaki^{1,2}, Niranjana Venugopal^{1,2}, Swapanpreet Kaur¹, Jorge Alpuche Aviles^{1,2}</p> <p>¹CancerCare Manitoba, Winnipeg, MB ²University of Manitoba, Winnipeg, MB</p>

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NO.	ABSTRACT TITLE
185	<p>DEVELOPMENT OF TEST CASES FOR COMPARISON OF MODEL-BASED DOSE CALCULATIONS IN LOW-ENERGY BRACHYTHERAPY</p> <p>Elizabeth Fletcher¹, Facundo Ballester^{2,3}, Luc Beaulieu^{4,5}, Hali Morrison^{6,7}, Audran Poher^{5,4}, Mark Rivard⁸, Ron Sloboda^{9,10}, Javier Vijande^{2,3}, Rowan Thomson¹</p> <p>¹Carleton University, Ottawa, ON ²Universitat de Valencia, Valencia, ES ³Instituto de Investigación Sanitaria La Fe-Universitat de Valencia, Valencia, ES ⁴Université Laval, Quebec City, QC ⁵CHU de Québec-Université Laval, Quebec City, QC ⁶University of Calgary, Calgary, AB ⁷Tom Baker Cancer Centre, Calgary, AB ⁸Warren Alpert Medical School of Brown University, Providence, RI ⁹Cross Cancer Institute, Edmonton, AB ¹⁰University of Alberta, Edmonton, AB</p>
186	<p>DIFFUSION OF 220RN AND 212PB IN DIFFUSING ALPHA-EMITTER RADIATION THERAPY DOSIMETRY WITH GEANT4</p> <p>Victor Daniel Díaz Martínez, Shirin Enger McGill University, Montréal, QC</p>
187	<p>COST OF HIGH-DOSE RATE ENDOBRONCHIAL BRACHYTHERAPY FOR AIRWAY MALIGNANCY</p> <p>Ethan Kutanzi¹, Nicole O'Callaghan², Zain Siddiqui¹, Conrad Falkson¹, Amer Mahmud¹</p> <p>¹Queen's University, Kingston, ON ²Kingston Health Sciences Centre, Kingston, ON</p>
188	<p>DEVELOPMENT AND EVALUATION OF A GUI USING AI-ASSISTED ALGORITHM FOR CATHETER RECONSTRUCTION IN MR-ONLY GYNECOLOGICAL INTERSTITIAL HDR BRACHYTHERAPY</p> <p>Kaiming Guo^{1,2}, Moti Raj Paudel^{1,2}</p> <p>¹Sunnybrook-Odette Cancer Centre, Toronto, ON ²Princess Margaret Cancer Centre, Toronto, ON</p>
189	<p>ESTABLISHING A LOW DOSE RATE (LDR) BRACHYTHERAPY TREATMENT IN PROSTATE CANCER PROGRAM IN AN EMERGING ECONOMY</p> <p>Nadeem Pervez, Tauseef Ali, Zahid Almandhari, Agha Khan, Jamsari Khalid, Nirmal Babu, Muhammad Ali Gurmani, Iqbal Al Amri, Abdullah Alshaikh, Mulham Alyahmadi, Mukaram Said, Sercan Yilmaz Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCRC), Muscat, OM</p>
190	<p>IN VIVO DOSIMETRY FOR SUPERFICIAL HIGH DOSE RATE BRACHYTHERAPY WITH OPTICALLY STIMULATED LUMINESCENCE DOSIMETERS: A COMPARISON STUDY WITH METAL-OXIDE-SEMICONDUCTOR FIELD-EFFECT TRANSISTORS</p> <p>Alana Lopes, Eric Sabondjian, Alejandra Rangel Trillium Health Partners, Mississauga, ON</p>
191	<p>THREE DIMENSIONAL VARIATIONS & THEIR EFFECTS ON EQUIVALENT DOSE IN 2 GRAY FRACTIONS (EQD2) FOR THE ORGANS AT RISK DURING IMAGE-GUIDED BRACHYTHERAPY</p> <p>Agha Muhammad Hammad Khan, Mahmoud Al Fishaway, Furhan Altaf, Ana Paula E Galerani Lopes, Tauseef Ali, Sara Tajammul, Mohsina Vallengara, Jamsari Khalid, Iqbal Abdullah AlAmri, Zahid Almandhari, Nadeem Pervez Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCRC), Muscat, OM</p>
192	<p>INVESTIGATION OF THE DOSE PROPERTIES AND SOURCE TO SOURCE VARIABILITIES IN XOFT SOURCE MODEL S7500</p> <p>Azin Esmaelbeigi¹, Jonathan Kalinowski¹, Te Vuong², Shirin A. Enger^{1,2}</p> <p>¹McGill University, Montréal, QC ²Jewish General Hospital, Montréal, QC</p>
193	<p>APPLICATION OF A NOVEL MONTE CARLO BASED METHOD TO DETERMINE THE EMBEDDED DISTRIBUTIONS OF ALPHA-EMITTERS FROM THEIR MEASURED ALPHA SPECTRA IN DIFFUSING ALPHA-EMITTERS RADIATION THERAPY (DART)</p> <p>Julien Mondor^{1,2}, Jean-François Carrier^{1,3,2}, Yuji Kamio^{2,3}</p> <p>¹Université de Montréal, Montréal, QC ²Centre de Recherche du Centre Hospitalier de l'Université de Montréal (crCHUM), Montréal, QC ³Centre Hospitalier de l'Université de Montréal, Montréal, QC</p>

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NO.	ABSTRACT TITLE
194	<p>CHARACTERIZATION OF NOVEL 3D-PRINTED METAL SHIELDING FOR BRACHYTHERAPY APPLICATORS K. Maiti McGrath^{1,2}, Krista Chytk-Praznik^{1,2}, Amanda Cherpak^{1,2} ¹Dalhousie University, Halifax, NS ²Nova Scotia Health, Halifax, NS</p>
195	<p>ALPHA PARTICLE DOSE MODELING IN DART BRACHYTHERAPY: SENSITIVITY OF DIFFUSION-LEAKAGE PARAMETERS, SEED GEOMETRY AND INTER-SEED EFFECTS Patrick Chev��¹, Paul Charbonneau¹, Jean-Fran��ois Carrier¹, Yuji Kamio² ¹Universit�� de Montr��al, Montr��al, QC ²Centre hospitalier de l'Universit�� de Montr��al, Montr��al, QC</p>
196	<p>3D PRINTED MODEL FOR SURFACE MOULD PREPARATION ON A DOWN SYNDROME BRACHYTHERAPY PATIENT Iqbal Al Amri, Rohit Nippully, Mahmood AL Fishawy, Nirmal Babu, Hajir Al Siyabi, Mohammed Al Ghafri Sultan Qaboos Comprehensive Cancer Center, Muscat, OM</p>
197	<p>MONTE CARLO DOSE MODELLING OF EMBEDDED BETA/GAMMA EMISSIONS FROM DART ALPHA-EMITTERS BRACHYTHERAPY SEEDS USING GEANT4 Julien Mondor^{1,2}, Yuji Kamio^{2,3}, Patrick Chev��^{1,2}, Jean-Fran��ois Carrier^{1,3,2} ¹Universit�� de Montr��al, Montr��al, QC ²Centre de Recherche du Centre Hospitalier de l'Universit�� de Montr��al (crCHUM), Montr��al, QC ³Centre Hospitalier de l'Universit�� de Montr��al, Montr��al, QC</p>
198	<p>EVALUATING ONLINE YOUTUBE RESOURCES FOR CERVICAL CANCER BRACHYTHERAPY Sarah Keyes¹, Brandon Chai², Paris-Ann Ingledew² ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>
199	<p>IMPLEMENTATION AND EARLY EXPERIENCE OF BREAST INTRAOPERATIVE ELECTRON BEAM RADIATION THERAPY Dominique Guillet^{1,2}, Karim Zerouali^{1,2}, Thi Trinh Thuc Vu^{1,2}, Ren��e Larouche^{1,2}, Rami Younan^{1,2}, David Roberge^{1,2} ¹Universit�� de Montr��al, Montr��al, QC ²Centre Hospitalier de l'Universit�� de Montr��al, Montr��al, QC</p>
200	<p>A CANADIAN BREAST RADIOTHERAPY PRACTICE SURVEY Cheryl Duzenli^{1,2}, Tania Karan¹, Maria Corsten³, Lisa Glass⁴, Thalal Monajemi⁵, Samantha Lloyd^{2,3}, Robynn Ferris¹, Marija Popovic⁶ ¹British Columbia Cancer, Vancouver, BC ²University of British Columbia, Vancouver, BC ³Eastern Health, St. John's, NL ⁴University of Saskatchewan, Regina, SK ⁵Dalhousie University, Halifax, NS ⁶McGill University, Montr��al, QC</p>
201	<p>A RADIATION ONCOLOGIST'S EXPERIENCE TREATING MALIGNANT GLIOMA WITH TUMOUR TREATING FIELDS IN CANADA David Roberge University of Montr��al, Montr��al, QC</p>
202	<p>SAFETY AND EFFICACY OF FRACTIONATED STEREOTACTIC RADIATION THERAPY FOR PITUITARY ADENOMAS Aveline Marie Ylanan^{1,2}, Alan Nichol^{3,2}, Roy Ma^{3,2}, Michael McKenzie^{3,2}, Fred Hsu^{1,2}, Sheikh Nisar Ahmed^{1,2}, Arthur Cheung^{4,2}, Ryojo Akagami^{3,2}, Peter Gooderham^{3,2}, Michelle Johnson², Ermias Gete^{3,2}, Isabelle Vallieres^{2,5}, Waseem Sharieff^{1,2} ¹British Columbia Cancer, Abbotsford, BC ²University of British Columbia, Vancouver, BC ³British Columbia Cancer, Vancouver, BC ⁴British Columbia Cancer, Surrey, BC ⁵British Columbia Cancer, Victoria, BC</p>
203	<p>18F-DOPA PET SCAN MAPPED WITH RADIOTHERAPY DOSIMETRY FOR THE MANAGEMENT OF TUMOUR RECURRENCE VERSUS RADIATION NECROSIS IN HIGH GRADE GLIOMAS: AN INSTITUTIONAL EXPERIENCE Asmara Waheed, Jay Easaw, Kelvin Young, Egiroh Omene, Albert Murtha, Aswin Abraham, John Amanie, Lindsay Rowe, Samir Patel, Ravi Bhargava, Daniel Thut, Freimut Juengling, Helene Daly, Hans-Sonke Jans, Wilson Roa University of Alberta, Edmonton, AB</p>

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NO.	ABSTRACT TITLE
204	<p>DEVELOPMENT OF A DECISION AID FOR PATIENT WITH EXTENSIVE BRAIN METASTASES Tatiana Conrad¹, David Shultz², Derek Tsang², Tiffany Tam³, Lulu Khan⁴, Cassandra Carey¹ ¹Southlake Regional Health Centre, Newmarket, ON ²Princess Margaret Cancer Centre, Toronto, ON ³Royal Victoria Regional Health Centre, Barrie, ON ⁴Credit Valley Cancer Centre, Mississauga, ON</p>
205	<p>MODERATE HYPOFRACTIONATED RE-IRRADIATION FOR RECURRENT GLIOBLASTOMA MULTIFORME Danny Jazmati, Edwin Boelke, Yechan Flaig, Jan Haussmann, Wilfried Budach, Stefanie Corradini, Amir Rezazadeh, Balint Tamaskovics, Christiane Matuschek Heinrich Heine University, Dusseldorf, DE</p>
206	<p>SHARING MONO-INSTITUTIONAL EXPERIENCE OF TREATING PANCREATIC CANCER WITH STEREOTACTIC BODY RADIATION THERAPY (SBRT) AS AN ADJUVANT THERAPY FOR NON-OPERATIVE PATIENTS OR SALVAGING LOCAL FAILURE Asmara Waheed, Aswin Abraham, Shannah Murland, Diane Severin, Kent Powell, Arun Elangovan, Nawaid Usmani, Keith Tankel, Kim Paulson, Xiaofu Zhu, Clarence Wong, Eugene Yip, Sunita Ghosh, Amr Heikal, Ben Burke, Kurian Joseph University of Alberta, Edmonton, AB</p>
207	<p>TOXICITY AND CLINICAL OUTCOMES TO ABDOMINAL RADIOTHERAPY USING 5 FRACTIONS FOR NON-SURGICAL PATIENTS Rie Asso¹, Fabio Cury², Carolyn Freeman¹, Neil Kopek¹ ¹McGill University Health Centre, Montréal, QC ²McGill University, Montréal, QC</p>
208	<p>SINGLE-INSTITUTION OUTCOMES OF CYBERKNIFE SBRT IN RENAL CELL CARCINOMA Osbert Zalay, Janice Doody, Julia Malone, Shawn Malone The Ottawa Hospital, Ottawa, ON</p>
209	<p>CHANGE OF THE NEUTROPHIL TO LYMPHOCYTE RATIO DURING TREATMENT: A POTENTIAL PROGNOSTIC BIOMARKER IN METASTATIC PROSTATE CANCER TREATED WITH RADIUM-223 DICHLORIDE Cédric Charrois-Durand, Kevin Kaulanjan, Johanna Dahan, Fred Saad, Guila Delouya, Edouard Auclin, Daniel Tausky University of Montréal, Montréal, QC</p>
210	<p>CONTOUR AGREEMENT? ACCURACY? WHAT ABOUT A DOSIMETRIC PERSPECTIVE ON WHEN MILLIMETERS MATTER IN CERVIX EXTERNAL BEAM RADIOTHERAPY? Geetha Menon^{1,2}, Brenda Rose¹, Patricia Oliva², Fleur Huang^{1,2} ¹Cross Cancer Institute, Edmonton, AB ²University of Alberta, Edmonton, AB</p>
211	<p>CAN THE G8 OBJECTIVELY IDENTIFY HNC SBRT CANDIDATES? Christina Mallouk¹, Adam Mutsaers², Mohammed Aldohan², Ahmed Abugharib², Irene Karam², Andrew Bayley², Liying Zhang², Madette Galapin², Kevin Higgins², Danny Enepekides², Ian Poon², Antoine Eskander² ¹University of Ottawa, Ottawa, ON ²University of Toronto, Toronto, ON</p>
212	<p>ASSOCIATION OF TUMOUR VOLUME WITH SURVIVAL IN T3 SUPRAGLOTTIC CANCERS MANAGED WITH RADIOTHERAPY Nauman Malik¹, Michael Hier^{2,3}, Grégoire Morand^{2,3}, Rui Fu⁴, Nicolin Hainc⁵, Shao Hui (Sophie) Huang⁴, Eugene Yu⁴, Stephanie Johnson-Obaseki⁶, Jonathan Whelan⁶, John Lysack⁷, Wayne Matthews⁷, Adam Globberman⁸, Paul Kerr⁸, Pejman Maralani^{9,4}, Irene Karam^{9,4}, Antoine Eskander^{4,9} ¹University of California, San Francisco, CA ²McGill University, Montréal, QC ³Lady Davis Institute for Medical Research, Jewish General Hospital, Montréal, QC ⁴University of Toronto, Toronto, ON ⁵University of Zurich, Zurich, CH ⁶University of Ottawa, Ottawa, ON ⁷University of Calgary, Calgary, AB ⁸University of Manitoba, Winnipeg, MB ⁹Sunnybrook Health Sciences Centre, Toronto, ON</p>

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NO.	ABSTRACT TITLE
213	<p>MODERNIZATION OF NASAL PROTHESIS FABRICATION THROUGH THE USE OF THE BLENDER API, 3D SCANNING AND PRINTING Daniel Markel¹, Eric Dufresne², Karim Zerouali², Stephane Bedwani¹ ¹Université de Montréal, Montréal, QC ²Centre Hospitalier de l'Université de Montréal' Montréal, QC</p>
214	<p>FILLING THE GAP: IMPROVING COMMUNICATION BETWEEN THE DENTISTRY AND RADIOTHERAPY DEPARTMENTS Madette Galapin¹, Melanie Gilbert^{2,3}, Andrew Bayley^{1,3}, Irene Karam^{1,3}, Francois Gallant¹, Lee Chin^{1,3}, Hari Zafriadis¹, Kevin Nazareth¹, Darby Erler^{1,3}, Ian Poon^{1,3} ¹Sunnybrook-Odette Cancer Centre, Toronto, ON ²Sunnybrook Health Sciences Centre, Toronto, ON ³University of Toronto, Toronto, ON</p>
215	<p>SURVIVAL OUTCOMES OF EXTENSIVE STAGE SMALL CELL LUNG CANCER PATIENTS TREATED WITH CONSOLIDATIVE THORACIC RADIOTHERAPY AT A TERTIARY CANCER CENTRE Vijithan Sugumar, Rohan Salunkhe, Xiang Y. Ye, Luna Zhan, Alexander Sun, Andrea Bezjak, John Cho, Srinivas Raman, Andrew J. Hope, Meredith E. Giuliani, Natasha B. Leighl, Adrian G. Sacher, Frances A. Shepherd, Penelope Bradbury, Geoffrey Liu, Benjamin H. Lok University of Toronto, Toronto, ON</p>
216	<p>IMPACT OF INTRA-FRACTION MOTION CORRECTION ON TARGET AND OAR DOSIMETRY IN SINGLE FRACTION LUNG STEREOTACTIC ABLATIVE RADIATION THERAPY Clara Fallone, Alasdair Syme Dalhousie University, Halifax, NS</p>
217	<p>TOXICITY OF PATIENTS WITH ULTRA-CENTRAL THORACIC TUMOURS TREATED WITH STEREOTACTIC BODY RADIOTHERAPY WITH DOSE OF 50Gy IN 5 FRACTIONS Rie Asso, Neil Kopek, Marie Duclos, Bassam Abdulkarim, Tanner Connel, Paul Ramia, Asma Saidi, Sergio Faria McGill University Health Centre, Montréal, QC</p>
218	<p>MANAGEMENT OF VERY EARLY SMALL CELL LUNG CANCER: A CANADIAN SURVEY STUDY Bayan Malakouti-Nejad, Sara Moore, Paul Wheatley-Price, David Tiberi The Ottawa Hospital, Ottawa, ON</p>
219	<p>A DIGITAL WORKFLOW TO CREATE PATIENT-SPECIFIC RADIATION ORAL SHIELDS FOR ORTHOVOLTAGE Renée Larouche^{1,2}, Charles Martel^{1,2}, Martin Lebeau¹, Andrée Jutras¹, David Roberge^{1,2}, Stéphane Bedwani^{1,3} ¹Centre Hospitalier de l'Université de Montréal, Montréal, QC ²Université de Montréal, Montréal, QC ³Centre de Recherche du Centre Hospitalier de l'Université de Montréal (crCHUM), Montréal, QC</p>
220	<p>UNCOVERING THE ARMPIT OF AXILLARY SBRT Adam Mutsaers, Jason Savio Fernandes, George Li, Saher Ali, Hanbo Chen, Gregory Czarnota, Irene Karam, Daniel Palhares, Ian Poon, Hany Soliman, Danny Vesprini, Patrick Cheung, Arjun Sahgal, Alexander V Louie University of Toronto, Toronto, ON</p>
221	<p>SURVEY ON THE STRUCTURE OF INPATIENT CARE PROVIDED BY RADIATION ONCOLOGISTS IN CANADA Daniel Tesolin, Ege Babadagli, Michael Sun, Bayan Malakouti-Nejad, Jason Pantarotto, Marc Gaudet, Robert MacRae University of Ottawa, Ottawa, ON</p>
222	<p>NEW ASPECTS REGARDING MARKERS FOR THE CLINICAL COURSE IN THE BLOOD OF PATIENTS WITH SARS-COV-2 INFECTION. A TOOL TO PROTECT OUR ONCOLOGY PATIENTS Danny Jazmati, Edwin Boelke, Johannes Fischer, Yechan Flaig, Wilfried Budach, Amir Rezazadeh, Jan Haussmann, Balint Tamaskovics, Christiane Matuschek Heinrich Heine University, Dusseldorf, DE</p>
223	<p>EVIDENCE TO GUIDE DAY-TO-DAY PRACTICE OF CONE-BEAM COMPUTER TOMOGRAPHY RE-IMAGING Marzena Kastyak-Ibrahim^{1,2}, Bryan Kim^{1,2}, Joanna Foster¹, Amanda Jacques¹, Jean-david Jutras^{1,2}, Fiona Lochray¹, Lisa Barbera^{1,2} ¹Tom Baker Cancer Centre, Calgary, AB ²University of Calgary, Calgary, AB</p>

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NO.	ABSTRACT TITLE
224	<p>NEW ASPECTS REGARDING PERCUTANEOUS FRACTIONATED RADIOTHERAPY OF THE GROIN TO ELIMINATE LYMPHATIC FISTULAS AFTER VASCULAR SURGERY</p> <p>Danny Jazmati, Edwin Bölke, Wilfried Budach, Jan Haussmann, Yechan Flaig, Balint Tamaskovics, Amir Rezazadeh, Christiane Matuschek Heinrich Heine University, Dusseldorf, DE</p>
225	<p>FUNCTIONAL AND TOXICITY OUTCOMES OF RADIATION THERAPY FOR DUPUYTREN'S CONTRACTURE</p> <p>Justin Oh, Yi Peng Wang, Susan Hiniker Stanford University, Stanford, CA</p>
226	<p>OUTCOMES OF PEDIATRIC AND ADOLESCENT PATIENTS WITH METASTATIC SARCOMA TREATED WITH SURGICAL RESECTION OR STEREOTACTIC ABLATIVE RADIATION THERAPY</p> <p>Justin Oh, Paulina Gutkin, Yi Peng Wang, Sarah Donaldson, Robert Steffner, Matias Bruzoni, Raffi Avedian, Sheri Spunt, Allison Pribnow, Susan Hiniker Stanford University, Stanford, CA</p>
227	<p>PLANNING FOR THE RIGHT CARE AT THE RIGHT TIME: DEVELOPMENT AND IMPLEMENTATION OF AN AUTOMATED RESUSCITATION STATUS TOOL</p> <p>Natalie Rozanec^{1,2}, Cynthia Heron¹, Edwin Chan¹, Shaziya Malam¹, John San Miguel¹, Jennifer Daley-Morris¹, Charles Cho^{1,2,3}, Peter Anglin¹, James Loudon^{1,2}</p> <p>¹Southlake Regional Health Centre, Newmarket, ON ²University of Toronto, Toronto, ON ³Princess Margaret Cancer Centre, Toronto, ON</p>
228	<p>IMPROVING THE CANCER CENTRE WORK EXPERIENCE: ONE SIZE DOES NOT FIT ALL</p> <p>Rajiv Samant¹, Ege Babadagli¹, Selena Laprade¹, Gordon Locke¹, Angela McNeil², Joanne Meng¹, Julie Renaud², Elisabeth Cisa-Paré³, Jessica Chan⁴, Jiheon Song⁵</p> <p>¹University of Ottawa, Ottawa, ON ²The Ottawa Hospital, Ottawa, ON ³Northern Ontario School of Medicine, Ottawa, ON ⁴University of British Columbia, Vancouver, BC ⁵University of Toronto, Toronto, ON</p>
229	<p>SURVEY ON RESIDENT PERCEPTIONS OF RADIATION ONCOLOGY INPATIENT CARE IN CANADA</p> <p>Michael Sun, Bayan Malakouti-Nejad, Daniel Tesolin, Ege Babadagli, Graham Cook, Marc Gaudet, Robert MacRae The Ottawa Hospital Cancer Centre, Ottawa, ON</p>
230	<p>THE IMPACT OF A STUDENT-LED RADIATION ONCOLOGY INTEREST GROUP ON MEDICAL LEARNER INTEREST AND ACCESS TO THE SPECIALTY</p> <p>Benson Wan, Ian J. Gerard, Piotr Pater, Tanner Connell, Joanne Alfieri McGill University, Montréal, QC</p>
231	<p>CHARACTERISTICS ASSESSMENT OF ONLINE YOUTUBE VIDEOS ON RADIOTHERAPY FOR BREAST CANCER</p> <p>Brandon Chai¹, Paris-Ann Ingledew²</p> <p>¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>
232	<p>ABDOMINAL SCHWANNOMA MIMICKING LYMPH NODE METASTASIS IN RECTAL CANCER</p> <p>Enxhi Kotrri, Derek Jonker, Rebecca Auer, Gordon Locke University of Ottawa, Ottawa, ON</p>
233	<p>INTERACTIVE LINEAR ACCELERATOR MODELS FOR MEDICAL EDUCATION</p> <p>Parminder Basran Cornell University, Ithaca, NY</p>
234	<p>PATIENTS AS PARTNERS IN UNDERGRADUATE ALLIED HEALTH CURRICULUM: HOW ARE THEY INVOLVED?</p> <p>Cynthia Palmaria, Amanda Bolderston, Susan Fawcett University of Alberta, Edmonton, AB</p>
235	<p>ASSESSMENT OF LUNG CANCER YOUTUBE VIDEOS FOR PATIENT EDUCATION</p> <p>Brandon Chai¹, Paris-Ann Ingledew²</p> <p>¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>

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Abstracts #236-244

NO.	ABSTRACT TITLE
236	<p>IMPORTANCE OF LEADERSHIP SKILL DEVELOPMENT AMONG HEALTH CARE PROFESSIONALS IN LMIC Agha Muhammad Hammad Khan¹, Tooba Ali², Agha Muhammad Hassaan Khan³, Maria Tariq², Bilal Mahar Qureshi², Nasir Ali², Sehrish Abrar², Asim Hafiz², Ahmed Nadeem Abbasi² ¹Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCRC), Seeb, OM ²The Aga Khan University, Karachi, PK ³Institute of Business Management, Karachi, PK</p>
237	<p>TEACHING PROFESSIONAL ETHICS IN MEDICAL PHYSICS GRADUATE PROGRAM Marija Popovic¹, Ives R. Levesque¹, Cassandra Stambaugh², Wang Dongxu³ ¹McGill University, Montréal, QC ²Tufts Medical Center, Boston, MA ³Memorial Sloan Kettering Cancer Center, New York, US</p>
238	<p>IMPLEMENTING DEMENTIA-FRIENDLY CARE APPROACH FOR CANCER PATIENTS LIVING WITH DEMENTIA Shelley Canning¹, Jagbir Kaur², Michael McKenzie², Genevieve St-Martin², Lillian Hung³, Nicole Percival⁴, Jasleen Brar¹, Rachel Wan³, Lynn Jackson⁵, Sara Makortoff⁵, ¹University of the Fraser Valley, Abbotsford, BC ²British Columbia Cancer, Vancouver, BC ³University of British Columbia, Vancouver, BC ⁴Fraser Health Authority, Mission, BC ⁵N/A, BC</p>
239	<p>LEARN ONCOLOGY THROUGH SOCIAL MEDIA: IS IT POSSIBLE? Saveen Sidhoo¹, Stella Kang², Paris-Ann Ingledew³ ¹University of Alberta, Edmonton, AB ²Dalhousie University, Halifax, NS ³University of British Columbia, Vancouver, BC</p>
240	<p>USING 18F PSMA-1007 PET AND MULTIPARAMETRIC MRI WITH PROSTATE SBRT TO ESCALATE THE DOSE TO DOMINANT INTRAPROSTATIC LESIONS – ARGOS-CLIMBER: INTERIM RESULTS OF A PHASE I/II CLINICAL TRIAL Aneesh Dhar^{1,2}, Glenn Bauman^{1,2}, Lucas Mendez^{1,2}, Hatim Fakir^{1,2}, David Laidley^{1,2}, Zahra Kassam^{1,2}, Wei Liu³, TingYim Lee^{4,1}, Aaron Ward¹, Jonathan Thiessen⁴, Anders Celinski², Melanie Davidson⁵, Jane Bayani⁶, Matt Mulligan², Linada Berryhill², John Conyngham², Wee Loon Ong⁵, Andrew Loblaw^{5,7} ¹Western University, London, ON ²London Health Sciences Centre, London, ON ³British Columbia Cancer, Vancouver, BC ⁴Lawson Health Research Institute, London, ON ⁵Sunnybrook-Odette Cancer Centre, Toronto, ON ⁶Ontario Institute for Cancer Research, Toronto, ON ⁷University of Toronto, Toronto, ON</p>
241	<p>REDUCTION OF METAL ARTIFACTS IN 7T MRI FOR PRE-CLINICAL DIFFUSING ALPHA-EMITTING RADIATION THERAPY RECTAL STUDIES Mélodie Cyr, Naim Chabaytah, Joud Babik, Behnaz Behmand, Ives Levesque, Shirin A. Enger McGill University, Montréal, QC</p>
242	<p>INVESTIGATING THE APPLICATIONS OF GLIAL ACTIVATION IMAGING USING [18F]-FEPPA PET FOLLOWING CRANIAL IRRADIATION TO GUIDE RADIOTHERAPY TREATMENTS Sawyer Badiuk¹, Lise Desjardins², Matthew Fox^{1,2}, Paula Foster^{1,3}, Jonathan Thiessen^{1,2}, Jeff Chen¹, Eugene Wong^{1,2,4} ¹Western University, London, ON ²Lawson Health Research Institute, London, ON ³Robarts Research Institute, London, ON ⁴London Regional Cancer Program, London, ON</p>
243	<p>DOSE REDUCTION IN QUANTITATIVE IODINE IMAGING WITH PHOTON-COUNTING CT Pierre-Antoine Rodesch, Devon Richtsmeier, Magdalena Bazalova-Carter University of Victoria, Victoria, BC</p>
244	<p>RESOLVING THE 2.1 PPM ALLYLIC FATTY ACID RESONANCE WITH MAGNETIC RESONANCE SPECTROSCOPY AT 3 T Nathaniel Bly, Atiyah Yahya University of Alberta, Edmonton, AB</p>

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NO.	ABSTRACT TITLE
245	<p>APPARENT DIFFUSION COEFFICIENT REPEATABILITY AND REPRODUCIBILITY WITHIN THE PROSTATE FOR MR-GUIDED ADAPTIVE RADIATION THERAPY</p> <p>Nitara Fernando¹, Tony Tadic², Winnie Li², Tirth Patel², Jerusha Padayachee³, Anna T Santiago⁴, Jennifer Dang², Peter Chung², Enrique Gutierrez², Catherine Coolens², Ed Taylor², Jeff D Winter²</p> <p>¹Western University, London, ON ²Princess Margaret Cancer Centre, Toronto, ON ³Auckland City Hospital, Auckland, NZ ⁴University Health Network, Toronto, ON</p>
246	<p>CHARACTERIZING THE HU CONSTANCY OF THE VARIAN ETHOS HYPERSIGHT CBCT AND COMPARING IT TO CONVENTIONAL SYSTEMS</p> <p>Clara Fallone^{1,2}, Lee MacDonald^{1,2}, Amanda Cherpak^{1,2}, James Robar^{1,2}</p> <p>¹Nova Scotia Health Authority, Halifax, NS ²Dalhousie University, Halifax, NS</p>
247	<p>THE EFFECT OF CT ACQUISITION PARAMETERS ON EXTRACTED RADIOMIC FEATURES USING COMPUTATIONAL PHANTOMS</p> <p>Jaryd Christie, Mohamed Abdelrazek, Stewart Gaede, Sarah Mattonen</p> <p>Western University, London, ON</p>
248	<p>COMPARISON OF INSPIRATION AND EXPIRATION DENSITY-BASED CT MEASUREMENTS WITH CT TEXTURE-BASED RADIOMICS IN PREDICTING COPD SYMPTOMS</p> <p>Meghan Koo¹, Kalysta Makimoto¹, Wan Tan², Jim Hogg², Jean Bourbeau³, Miranda Kirby¹</p> <p>¹Toronto Metropolitan University, Toronto, ON ²University of British Columbia, Vancouver, BC ³McGill University Health Centre, Montréal, QC</p>
249	<p>MICROWAVE-BASED BREAST IMAGING: EXISTING EVIDENCE, CHALLENGES, AND FUTURE PATHS</p> <p>Tyson Reimer¹, Stephen Pistorius²</p> <p>¹University of Manitoba, Winnipeg, MB ²CancerCare Manitoba Research Institute, Winnipeg, MB</p>
250	<p>DOES DIAGNOSTIC MRI BEFORE RADIOTHERAPY FOR PROSTATE CANCER CAUSE A WILL ROGERS PHENOMENON</p> <p>Johanna Dahan</p> <p>Université de Montréal, Montréal, QC</p>
251	<p>PROSTATE SPECIFIC MEMBRANE ANTIGEN POSITRON EMISSION TOMOGRAPHY FOR PATIENTS WITH RECURRENT PROSTATE CANCER (PREP) – A PROSPECTIVE, MULTICENTRE REGISTRY</p> <p>Aneesh Dhar¹, Glenn Bauman^{1,2}, Lucas Mendez^{2,1}, Girish Kulkarni^{3,4}, Antonio Finelli^{3,4}, Alejandro Berlin^{3,4}, Peter Chung^{3,4}, Andrew Bayley^{3,5}, Hans Chung^{3,5}, Laurence Klotz^{5,3}, Robert Wolfson^{5,3}, Himu Lukka^{6,7}, Katherine Zukotynski^{7,6}, Anil Kapoor^{8,6}, Bobby Shayegan^{8,6}, Joseph Chin^{2,1}, Catherine Hildebrand², Irina Rachinsky^{2,1}, Eugene Leung^{9,10}, Luke Lavallee^{9,10}, Chris Morash^{10,9}, David Tiberi^{10,9}, Marlon Hagerty¹¹, Kevin Ramchandrar¹¹, Jonathan Boekhoud¹¹, Walid Shahrour¹¹, Deanna Langer¹², Pamela MacCrostie¹², Victor Mak¹², Ur Metser^{3,4}</p> <p>¹Western University, London, ON ²London Health Sciences Centre, London, ON ³University of Toronto, Toronto, ON ⁴University Health Network, Toronto, ON ⁵Sunnybrook Health Sciences Centre, Toronto, ON ⁶McMaster University, Hamilton, ON ⁷Hamilton Health Sciences, Hamilton, ON ⁸St. Joseph's Health Care, Hamilton, ON ⁹The Ottawa Hospital, Ottawa, ON ¹⁰University of Ottawa, Ottawa, ON ¹¹Thunder Bay Regional Health Sciences Centre, Thunder Bay, ON ¹²Cancer Care Ontario (Ontario Health), Toronto, ON</p>
252	<p>SIGNAL TO NOISE VARIABILITY OF PHASED ARRAY COIL ELEMENTS USED IN A RADIATION ONCOLOGY DEDICATED MRI SIMULATOR</p> <p>Alyaa Elzibak^{1,2}, Brige Chugh^{1,2}, Alex Karotki¹, Stephen Breen^{1,2}</p> <p>¹Odette Cancer Centre, Sunnybrook Health Sciences Centre, Toronto, ON ²University of Toronto, Toronto, ON</p>

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NO.	ABSTRACT TITLE
253	<p>FINDING REPRODUCIBLE AND INFORMATIVE RADIOMIC FEATURES ASSOCIATED TO CLINICAL ENDPOINTS AND TO IMMUNOHISTOCHEMISTRY BIOMARKERS FROM CT IMAGING DATA IN AN IMMUNOTHERAPY-TREATED NSCLC COHORT</p> <p>Leyla Ebrahimpour¹, Yannick Lemaréchal¹, Michèle Orain¹, Philippe Joubert¹, Fabien Lamaze¹, Philippe Després¹, Venkata Manem²</p> <p>¹Université Laval, Quebec City, QC ²Université du Québec à Trois-Rivières, Quebec City, QC</p>
254	<p>LOW-TESLA MRI IMAGING EFFECTIVELY REDUCES HARDWARE ARTIFACTS IN PATIENTS WITH METAL IMPLANTS</p> <p>Abdulaziz Alghamdi, Soon Huh, Adam Holtzman, Danny Indelicato, Jiyeon Park</p> <p>University of Florida, Jacksonville, FL</p>
255	<p>LOGISTIC DOSE DISTANCE MODEL TO PREDICT MOIST DESQUAMATION IN BREAST RADIOTHERAPY</p> <p>Aria Malhotra¹, Emilie Carpentier¹, Sheri Grahame², Alan Nichol^{1,2}, Elisa Chan^{1,2}, Cheryl Duzenli^{1,2}</p> <p>¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>
256	<p>PATIENT-SPECIFIC PRE-TREATMENT NUCLEI SIZE DISTRIBUTION IS OF SIGNIFICANCE FOR POST RADIATION THERAPY LOCOREGIONAL RECURRENCE AND SURVIVAL OUTCOMES</p> <p>Yujing Zou¹, Magali Lecavalier-Barsoum¹, Manuela Pelmus¹, Farhad Maleki², Shirin A. Enger¹</p> <p>¹McGill University, Montréal, QC ²University of Calgary, Calgary, AB</p>
257	<p>THREE-DIMENSIONAL ULTRASOUND FUSION OF TRANS-ABDOMINAL AND TRANS-RECTAL IMAGES FOR VISUALIZATION OF GYNECOLOGICAL HIGH DOSE-RATE BRACHY THERAPY APPLICATORS</p> <p>Tiana Trumpour¹, Jamiel Nasser⁴, Carla du Toit², Claire Park¹, Jessica Rodgers³, Lucas Mendez¹, Kathleen Surry¹, Aaron Fenster¹</p> <p>¹Western University, London, ON ²Robarts Research Institute, London, ON ³University of Manitoba, Winnipeg, MB ⁴University of Waterloo, Waterloo, ON</p>
258	<p>SET UP TIME AND REPRODUCIBILITY FOR PATIENTS WITH LARGE OR PENDULOUS BREASTS IN SUPINE BREAST RADIOTHERAPY</p> <p>Michelle Medina¹, Amy Frederick², Cheryl Duzenli^{1,2}</p> <p>¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>
259	<p>DEVELOPMENT OF A COST-EFFICIENT SCINTILLATION-FIBER DETECTOR FOR USE IN AUTOMATED SYNTHESIS OF POSITRON EMISSION TOMOGRAPHY RADIOTRACERS</p> <p>Hailey SH Ahn¹, Liam Carroll¹, Robert Hopewell², I-Huang Tsai², Shirin A Enger³</p> <p>¹McGill University, Montréal, QC ²Montreal Neurological Institute, Montréal, QC ³Jewish General Hospital, Montréal, QC</p>
260	<p>INCORPORATING DNA REPAIR MECHANISMS INTO A MONTE CARLO MODEL OF DNA DAMAGE BY NEUTRONS</p> <p>Nicolas Desjardins, John Kildea</p> <p>McGill University, Montréal, QC</p>
261	<p>A 3D STAR SHOT TO DETERMINE AXES OF ROTATION</p> <p>Robert Corns, Kaida Yang, Mason Ross, Shiva Bhandari, Makunda Aryal, Peter Ciaccio</p> <p>East Carolina University, Greenville, NC</p>
262	<p>A FRAMEWORK FOR DESIGNING GLASS VESSELS USED IN WATER CALORIMETRY</p> <p>Mark D'Souza¹, James Renaud², Arman Sarfehnia³</p> <p>¹Toronto Metropolitan University, Toronto, ON ²National Research Council of Canada, Ottawa, ON ³Sunnybrook Health Sciences Centre, Toronto, ON</p>
263	<p>THE MINIMUM ACCEPTABLE BLADDER VOLUME IN PROSTATE CANCER RADIATION THERAPY WITH VMAT DELIVERY TECHNIQUE</p> <p>Congwu Cui, Holly Campbell</p> <p>Saint John Regional Hospital, Horizon Health Network, Saint John, NB</p>

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NO.	ABSTRACT TITLE
264	<p>MONITORING OF THE LONG-TERM PERFORMANCE OF A-SI 1200 ELECTRONIC PORTAL IMAGING DEVICE Ivan Kutuzov, Boyd McCurdy, Ryan Rivest, Eric Van Uytven University of Manitoba, Winnipeg, MB</p>
265	<p>MULTI-POINTS CALORIMETER USING FIBER BRAGG GRATINGS FOR SMALL FIELD DOSIMETRY IN RADIOTHERAPY Marie-Anne Lebel-Cormier¹, Tommy Boilard², Martin Bernier², Luc Beaulieu³ ¹CHU de Québec – Université Laval et CRCHU de Québec, Quebec City, QC ²Université Laval, ³CHU de Québec – Université Laval et CRCHU de Québec, Quebec City, QC</p>
266	WITHDRAWN
267	<p>CHARACTERIZATION OF CHANGES IN SCINTILLATION SPECTRUM OF PLASTIC SCINTILLATOR DOSIMETERS AFTER RADIATION DAMAGE UNDER ULTRA-HIGH DOSE RATE 200 MEV ELECTRONS AT CLEAR Cloé Giguère^{1,2}, Alexander Hart³, Nolan Esplen³, John Bateman^{4,5}, Pierre Korysko⁵, Wilfrid Farabolini⁵, Magdalena Bazalova-Carter³, Luc Beaulieu^{1,2} ¹Université Laval, Quebec City, QC ²CHU de Québec-Université Laval, Quebec City, QC ³University of Victoria, Victoria, BC ⁴University of Oxford, Geneva, CH ⁵CERN, Geneva, CH</p>
268	<p>SHOULD WE IMPLEMENT TRS 483 RECOMMENDED CORRECTION FACTORS FOR CYBERKNIFE CONES OUTPUT IN VARIOUS DETECTOR TYPES Iqbal AL AMRI, Mahmood AL Fishawy, Mohammed Ali Gourmani, Nirmal Babu Sultan Qaboos Comprehensive Cancer Center, Muscat, OM</p>
269	<p>IMPLEMENTATION AND VALIDATION OF NON-UNIFORM MAGNETIC FIELDS INTO PENELOPE/PENEASY Jacob Groeneveld^{1,2}, Fletcher Barrett¹, Charles Kirkby^{1,2} ¹University of Calgary, Calgary, AB ²Jack Ady Cancer Centre, Lethbridge, AB</p>
270	<p>APPLICATION OF 3D POLYMER GEL DOSIMETRY (PGD) TO COMMISSION A VIRTUAL CONE TECHNIQUE FOR STEREOTACTIC RADIOSURGERY OF TRIGEMINAL NEURALGIA Tenzin Kunkyab¹, Michael Lamey², Andrew Jirasek¹, Toney Teke², Benjamin Mou², Derek Hyde² ¹The University of British Columbia, Kelowna, BC ²British Columbia Cancer, Kelowna, BC</p>
271	<p>GRID THERAPY WITH VERY-HIGH ENERGY ELECTRONS Nathan Clements¹, Nolan Esplen¹, Magdalena Bazalova-Carter¹, Pierre Korysko², Joseph Bateman², Wilfrid Farabolini³, Manjit Dosanjh², Roberto Corsini³ ¹University of Victoria, Victoria, BC ²University of Oxford, Geneva, CH ³CERN, Geneva, CH</p>
272	<p>CLINICAL IMPLEMENTATION AND PRELIMINARY PATIENT OUTCOMES OF FLATTENING FILTER FREE IRRADIATION AT AN EXTENDED DISTANCE FOR TOTAL BODY IRRADIATION (FIRE-TBI) Rebecca Frederick^{1,2}, Alana Hudson^{1,2}, Alexander Balogh^{1,2}, Jeffrey Cao^{1,2}, Andrew Daly^{1,3}, Adam Blais^{1,2}, Greg Pierce^{1,4} ¹University of Calgary, Calgary, AB ²Tom Baker Cancer Centre, Calgary, AB ³Foothills Medical Centre, Calgary, AB ⁴Varian Medical Systems, Palo Alto, CA</p>
273	<p>IMPACT OF RANGE UNCERTAINTIES ON ROBUST MIXED ELECTRON-PHOTON BEAM RADIATION THERAPY Veng Jean Heng¹, Monica Serban², Marc-André Renaud³, Jan Seuntjens² ¹McGill University, Montréal, QC ²Princess Margaret Cancer Centre, Toronto, ON ³Gray Oncology Solutions, Montréal, QC</p>
274	<p>AN EXPLORATION OF ANNULAR PARALLEL PLATE WAVEGUIDES FOR ELECTRIC FIELD GENERATION IN A DIELECTRIC WALL ACCELERATOR Morgan Maher¹, Christopher Lund¹, Julien Bancheri¹, David Cooke¹, Jan Seuntjens^{2,3} ¹McGill University, Montréal, QC ²Princess Margaret Cancer Centre, Toronto, ON ³University of Toronto, Toronto, ON</p>

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NO.	ABSTRACT TITLE
275	<p>PLANNING STRATEGIES FOR DYNAMIC TUMOUR TRACKING TREATMENTS Emilie Carpentier¹, Marie-Laure Camborde², Tania Karan², Alanah Bergman², Tony Mestrovic² ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC</p>
276	<p>CHARACTERIZATION OF MLC LATENCY FOR NON-INVASIVE INTRAFRACTIONAL TUMOUR-TRACKED RADIOTHERAPY (NIFERT) ON ALBERTA LINAC-MR Benjamin Schultz, Satyapal Rathee, Gino Fallone, Jihyun Yun University of Alberta, Edmonton, AB</p>
277	<p>AN INVESTIGATION INTO THE BENEFIT OF USING A HIGHER THRESHOLD OF CORRECTIBLE ROTATIONS IN CYBERKNIFE TREATMENTS Meaghen Shiha¹, Emily Heath¹, Eric Vandervoort^{2,3,1} ¹Carleton University, Ottawa, ON ²The Ottawa Hospital, Ottawa, ON ³University of Ottawa, Ottawa, ON</p>
278	<p>EVALUATION OF PATIENT-SPECIFIC QUALITY CONTROL (QC) FOR MARKERLESS DYNAMIC TUMOUR TRACKING (MDTT) DELIVERIES Marie-Laure Camborde, Tania Karan, Ronald Horwood, Ante Mestrovic, Alanah Bergman British Columbia Cancer, Vancouver, BC</p>
279	<p>RESULT OF A NATIONAL SURVEY: TIME FOR CANADA TO JOIN THE GLOBAL RESEARCH ON BORON NEUTRON CAPTURE THERAPY? Ming Pan¹, Retage Al-Bader¹, John Agapito² ¹Western University, London, ON ²University of Windsor, Windsor, ON</p>
280	<p>CLINICAL IMPLEMENTATION OF INTRAOPERATIVE RADIOTHERAPY: 10-YEAR EXPERIENCE AT MUHC Marija Popovic¹, Monica Serban², Michael Evans¹, William Parker¹, Jan Seuntjens² ¹McGill University, Montréal, QC ²University of Toronto, Toronto, ON</p>
281	<p>THE USE OF IMPLANTED CARDIAC LEADS OR AN ANATOMICAL SURROGATE FOR RESPIRATORY TRACKING IN CARDIAC RADIOSURGERY Jakob Marshall¹, Alanah Bergman², Tania Karan², Marc Deyell¹, Devin Schellenberg³, Richard Thompson⁴, Steven Thomas² ¹University of British Columbia, Vancouver, BC ²British Columbia Cancer, Vancouver, BC ³British Columbia Cancer, Surrey, BC ⁴University of Alberta, Edmonton, AB</p>
282	<p>SPLENDEURS ET MISERES WITH KNOWLEDGE-BASED PLANNING FOR PROSTATE STEREOTACTIC ABLATIVE BODY RADIOTHERAPY Dominique Fortin¹, Abraham Alexander² ¹British Columbia Cancer, Victoria, BC ²University of British Columbia, Vancouver, BC</p>
283	<p>THE EFFECT OF REAL-TIME IMAGING DOSE ON OAR CONSTRAINTS IN LUNG SBRT Ruwan Abeywardhana¹, R. Lee MacDonald^{1,2}, Mike Sattarivand^{1,2} ¹Nova Scotia Cancer Centre, Halifax, NS ²Dalhousie University, Halifax, NS</p>
284	<p>IMPACT OF NOVEL RECONSTRUCTION AND METAL ARTIFACT REDUCTION ALGORITHMS ON METAL ELECTRON DENSITY CURVE FOR KVCT SIMULATOR Robert Stodilka¹, Brandon Disher¹, Matt Mulligan¹, Homeira Mosalaei¹, Hatem Mehrez², Stewart Gaede¹ ¹Western University, London, ON ²N/A, Markham, ON</p>
285	<p>OPTIMIZING THE DELIVERABILITY OF BINARY COLLIMATION-BASED SRS TREATMENT TECHNIQUE FOR MULTIPLE METASTASES WITH MULTIPLE PRESCRIPTIONS Eva Lee, Lee MacDonald, Christopher Thomas, Alasdair Syme Dalhousie University, Halifax, NS</p>

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NO.	ABSTRACT TITLE
286	<p>ASSESSING THE CONTROL POINT-SPECIFIC DOSIMETRIC IMPACT OF POPULATION-BASED INFRAFRACTIONAL MOTION IN CRANIAL RADIOSURGERY OF MULTIPLE METASTASES WITH A SINGLE ISOCENTRE</p> <p>Cody Church¹, R. Lee MacDonald²</p> <p>¹N/A, Halifax, NS ²Nova Scotia Health, Halifax, NS</p>
287	<p>IMPACT OF ABDOMINAL COMPRESSION ON HEART AND STOMACH RESPIRATORY MOTION FOR STEREOTACTIC ARRHYTHMIA RADIOABLATION</p> <p>Daniel Cecchi, Hali Morrison, Nicolas Ploquin</p> <p>University of Calgary, Calgary, AB</p>
288	<p>CLINICAL INTEGRATION OF MULTIJET FUSION 3D PRINTING-BASED BOLUS FOR VMAT CHEST WALL PATIENTS</p> <p>Tami Joseph¹, James Clancey¹, Jennifer Hurley¹, Allison Sibley², Malgorzata D'Souza², Elizabeth Orton², Amanda Cherpak¹, Thalal Monajemi¹</p> <p>¹Nova Scotia Health, Halifax, NS ²Adaptiiv Medical Technologies, Halifax, NS</p>
289	<p>DEFORMABLE IMAGE REGISTRATION-BASED DOSE ACCUMULATION FOR LUNG REIRRADIATION CASES</p> <p>Marco Di Francesco¹, Marija Popovic², Monica Serban³</p> <p>¹Hôpital Maisonneuve-Rosemont, Montréal, QC ²McGill University, Montréal, QC ³University of Toronto, Toronto, ON</p>
290	WITHDRAWN
291	<p>CHANGES IN BODY CONTOUR DURING TREATMENT AND THEIR EFFECTS ON VMAT PELVIC PLANS</p> <p>Eric Sabondjian, Michael Jensen, Mithunan Modchalingam, Charmaine Cruje</p> <p>Trillium Health Partners, Toronto, ON</p>
292	<p>STATIC COUCH NON-COPLANAR ARC SELECTION OPTIMIZATION FOR LUNG SBRT TREATMENT PLANNING</p> <p>John Lincoln, Lee MacDonald, Alasdair Syme, Christopher G. Thomas</p> <p>Dalhousie University, Halifax, NS</p>
293	<p>PROSTATE STEREOTACTIC BODY RADIOTHERAPY TREATMENT PLANNING AND IMAGE GUIDANCE: INITIAL EXPERIENCE FROM TWO INSTITUTIONS</p> <p>Derek Liu, Nelson Leong, Varun Thakur, Julius Pekar, Ali El-Gayed</p> <p>Saskatchewan Cancer Agency, Saskatoon, SK</p>
294	<p>STRATEGIES TO MANAGE RADIATION THERAPY WAIT TIME "READY-TO-TREAT TO START OF TREATMENT" PERFORMANCE IN ONTARIO</p> <p>James Loudon^{1,2}, Tara MacDonald³, Laurie Stillwaugh⁴, Richard Singh⁵, Dennis Vergel de Dios⁶, Sandi Sodhi⁶, Melissa Diffey⁷, Tammy Mathurin⁸, Brandee Pidgeon⁹, Rob Blanchette³, Melisa King¹⁰, Kit Tam¹¹, Jackson Chan⁸, Steve Russell¹², Lorella Divanbeigi¹³, Yat Tsang¹³, Christine Black¹⁴, Laura D'Alimonte¹⁵, Mellissa Linke¹⁶, Margaret Hart¹⁷, Brian Liszewski^{2,17}, Eric Gutierrez¹⁷</p> <p>¹Southlake Regional Health Centre, Newmarket, ON ²University of Toronto, Toronto, ON ³London Health Sciences Centre, London, ON ⁴Health Sciences North, London, ON ⁵Niagara Health, St. Catharines, ON ⁶Trillium Health Partners, Toronto, ON ⁷The Ottawa Hospital, Ottawa, ON ⁸Hamilton Health Sciences, Hamilton, ON ⁹Royal Victoria Regional Health Centre, Barrie, ON ¹⁰Grand River Regional Cancer Centre, Kitchener, ON ¹¹Kingston Health Sciences Centre, Kingston, ON ¹²Sunnybrook Health Sciences Centre, Toronto, ON ¹³University Health Network, Toronto, ON ¹⁴Lakeridge Health, Oshawa, ON ¹⁵Windsor Regional Hospital, Windsor, ON ¹⁶Thunder Bay Regional Health Sciences Centre, Thunder Bay, ON ¹⁷Ontario Health (Cancer Care Ontario), Toronto, ON</p>

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NO.	ABSTRACT TITLE
295	<p>INFLUENCE OF SOCIO-ECONOMIC STATUS ON RADIOTHERAPY ADVERSE EVENTS Philip Wong¹, Thanansayan Dhivagaran², Ronald Cheung¹, Emma Ito¹, Kitty Chan¹, Nathaniel So¹, Harald Keller¹, Frederick Cheung¹, Edward Rubinstein³, Zhihui Amy Liu¹, Richard Tsang¹ ¹University of Toronto, Toronto, ON ²McMaster University, Hamilton, ON ³University Health Network, Toronto, ON</p>
296	<p>A POPULATION-BASED ANALYSIS OF THE MANAGEMENT OF SYMPTOMS OF DEPRESSION AMONG PATIENTS WITH STAGE IV NON-SMALL CELL LUNG CANCER IN ONTARIO, CANADA Vivian Tan¹, Michael Tjong², Wing Chan³, Michael Yan², Victoria Delibasic³, Gail Darling², Laura Davis⁴, Mark Doherty², Julie Hallet², Biniam Kidane⁵, Alyson Mahar⁶, Nicole Mittmann⁷, Ambika Parmar², Frances Wright², Hendrick Tan⁸, Natalie Coburn², Alexander Louie² ¹Western University, London, ON ²University of Toronto, Toronto, ON ³ICES, Toronto, ON ⁴McGill University, Montréal, QC ⁵University of Manitoba, Winnipeg, MB ⁶Queen's University, Kingston, ON ⁷Canadian Agency for Drugs and Technology in Health, Ottawa, ON ⁸GenesisCare, Perth, AU</p>
297	<p>POPULATION ANALYSIS OF SABR/SRS FOR THE TREATMENT OF METASTATIC CANCER IN A JURISDICTION OF 15 MILLION PEOPLE Jason Pantarotto¹, Eric Gutierrez², Julie Kraus², Brian Liszewski², Timothy Hanna³ ¹University of Ottawa, Ottawa, ON ²Ontario Health (Cancer Care Ontario), Toronto, ON ³Cancer Research Institute at Queen's University, Kingston, ON</p>
298	<p>IMPACT OF HEALTHCARE ACCESS DURING COVID-19 SHUTDOWN IN ANAL CANCER DIAGNOSIS Amandeep Taggar^{1,2}, Kevin Martell³, Jasmine Dhaliwal¹, Paveen Mann¹, Kelvin Chan¹, Shun Wong¹ ¹Sunnybrook-Odette Cancer Centre, Toronto, ON ²University of Toronto, Toronto, ON ³Tom Baker Cancer Centre, Calgary, AB</p>
299	<p>POPULATION-BASED DIFFERENCES IN CANCER INCIDENCE BETWEEN IMMIGRANTS AND NON-IMMIGRANTS IN CANADA FROM 1992-2015 Hadassah Abraham¹, Larine Sluggett¹, Dezene Huber¹, Robert Olson² ¹N/A, Prince George, BC ²University of British Columbia, Vancouver, BC</p>
300	<p>STEREOTACTIC RADIOTHERAPY FOR THE RE-TREATMENT OF PELVIC AND PARA-AORTIC DISEASE IN GYNECOLOGIC CANCERS Samreen Javed Chaudry, Anand Swaminath, Kara Schnarr, Elysia Donovan, Julianna Sienna McMaster University, Hamilton, ON</p>
301	<p>RADIOTHERAPY CAPABILITIES, POPULATION, AVERAGE INCOME, AND HEALTH INSURANCE STATUS AS PREDICTORS OF CANCER MORTALITY AT THE COUNTY LEVEL IN THE UNITED STATES Matthew Beckett¹, May Abdel-Wahab², Luc Goethals², Ryan Kraus³, Kseniya Denysenko², Maria Fernanda Barone Mussalem Gentile², Yaroslav Pynda² ¹University of Ottawa, Ottawa, ON ²International Atomic Energy Agency, Ottawa, ON ³University of Utah, Salt Lake City, UT</p>
302	<p>HEALTH CARE SYSTEM FACTORS ASSOCIATED WITH RECEIPT OF TREATMENT AND WITH TREATMENT INTENT IN STAGE III NON-SMALL CELL LUNG CANCER: A POPULATION-BASED STUDY IN ONTARIO Stephane Thibodeau¹, Paul Nguyen¹, Andrew Robinson¹, Fabio Ynoe de Moraes¹, Jason Pantarotto², Timothy Hanna¹ ¹Queen's University, Kingston, ON ²University of Ottawa, Ottawa, ON</p>
303	<p>SCALING UP CHEMORADIATION SERVICES IN UGANDA: OPPORTUNITIES AND CHALLENGES FOR THE ROAD TO CARE PROGRAM Ndinawe John Bosco¹, Joda Kuk², Kanyike Daniel³, Kara Schnarr² ¹Road to Care, Mbarara, UG ²McMaster University, Hamilton, ON ³Makerere University, Kampala, UG</p>

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NO.	ABSTRACT TITLE
304	THE CHANGING LANDSCAPE OF RADIATION THERAPY: IMPLICATIONS FOR FUTURE PLANNING James Loudon, Ivan Yeung, Charles Cho, Woodrow Wells University of Toronto, Toronto, ON
305	ALL THAT GLITTERS IS NOT GOLD: EXAMINING COST EFFECTIVENESS ANALYSES IN RADIATION ONCOLOGY Adam Mutsaers ¹ , Vivian Tan ² , Andrew N Youssef ² , Gabriel Boldt ² , David Palma ² , Melody Qu ² , Greg Zaric ² , Alexander V Louie ¹ ¹ University of Toronto, Toronto, ON ² Western University, London, ON
306	WHICH CRITERIA SHOULD WE USE TO DETERMINE AN ADEQUATE NUMBER OF LINEAR ACCELERATORS IN EMERGING ECONOMY COUNTRIES? Zahid Al Mandhari, Ana Paula Galerani Lopes Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCRC), Muscat, OM
307	THE EFFECTIVENESS AND SAFETY OF STEREOTACTIC BODY RADIATION THERAPY IN THE TREATMENT OF OLIGOPROGRESSIVE BREAST CANCER: A SYSTEMATIC REVIEW Sherif Ramadan ¹ , Bernie Yan ² , Katarzyna Jerzak ³ , Alexander Louie ³ , Elysia Donovan ² ¹ Western University, London, ON ² McMaster University, Hamilton, ON ³ University of Toronto, Toronto, ON
308	SAFETY INCIDENTS AND NEAR-MISS EVENTS IN PEDIATRIC RADIOTHERAPY Matthew Volpini, Katie Lekx-Toniolo, Lesley Buckley The Ottawa Hospital, Ottawa, ON
309	PROSPECTIVE CLINICAL TRIALS OF NOVEL SYSTEMIC THERAPIES IN ADVANCED NON-SMALL CELL LUNG CANCER – WHAT ABOUT RADIOTHERAPY? Kara Ruicci ¹ , Adam Mutsaers ² , David Palma ³ , Ambika Parmar ² , Alexander Louie ² ¹ University of Toronto, Toronto, ON ² Sunnybrook-Odette Cancer Centre, Toronto, ON ³ London Health Sciences Centre, London, ON
310	EXTREMITY DOSE ESTIMATES IN HDR STUCK SOURCE EMERGENCIES WITH UNKNOWN SOURCE POSITIONS Krista Chytyk-Praznik, Kathleen MacLean, Michel Ladouceur, Alasdair Syme Dalhousie University, Halifax, NS
311	DEVELOPMENT AND TESTING OF A SYMPTOM COMPLEXITY ALGORITHM USING ESAS-R CANCER Lisa Barbera ^{1,2} , Claire Link ² , Siwei Qi ² , Linda Watson ^{1,2} ¹ University of Calgary, Calgary, AB ² CancerCare Alberta, Calgary, AB
312	EXAMINING THE EFFICACY AND SAFETY PROFILE OF PALLIATIVE RADIOTHERAPY USING 30 GY IN 5 FRACTIONS Zhang Hao (Jim) Li ^{1,2} , Timothy Kong ^{1,2} , Emma Dunne ^{1,2} , Mitchell Chung Chiu Liu ^{1,2} , Jee Suk Chang ^{1,2} , Tina Wanting Zhang ^{1,2} , Matthew Chan ^{1,2} , Ronan McDermott ^{1,2} ¹ University of British Columbia, Vancouver, BC ² British Columbia Cancer, Vancouver, BC
313	HIGH SYMPTOM BURDEN IN PATIENTS RECEIVING RADIOTHERAPY AND FACTORS ASSOCIATED WITH BEING OFFERED AN INTERVENTION Allison Rau ¹ , Linda Watson ^{2,1} , Demetra Yannitsos ¹ , Petra Grendarova ¹ , Siwei Qi ² , Lisa Barbera ¹ ¹ University of Calgary, Calgary, AB ² Alberta Health Services, Calgary, AB
314	A PRACTICAL METHOD FOR QUALITY ASSURANCE OF THE TIME DELAY ASSOCIATED WITH A MOTION MANAGEMENT SYSTEM USING A QUASARTM PHANTOM Amanda Swan ¹ , Greg Pierce ² ¹ Cross Cancer Institute, Edmonton, AB ² University of Calgary, Calgary, AB
315	OZONE HEALTH AND SAFETY CONSIDERATIONS FOR FLASH RADIOTHERAPY Amy Frederick ¹ , Andrew K.H. Robertson ¹ , Gurpreet K. Sandhu ² , Sheila MacMahon ¹ , M. Peter Petric ¹ ¹ British Columbia Cancer, Vancouver, BC ² British Columbia Cancer, Surrey, BC

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NO.	ABSTRACT TITLE
316	RADIATION TREATMENT CONSIDERATIONS FOR PATIENTS WITH IMPLANTED MEDICAL DEVICES Brian Liszewski ^{1,3} , Michelle Nielsen ^{1,2} ¹ Ontario Health (Cancer Care Ontario), Toronto, ON ² Sunnybrook Health Sciences Centre, Toronto, ON ³ University of Toronto, Toronto, ON
317	EFFECTS OF PALLIATIVE ESOPHAGEAL EBRT IN PATIENTS WITH STENT FOR ESOPHAGEAL CANCER: BRITISH COLUMBIA PATTERN OF PRACTICE SURVEY AND RETROSPECTIVE COHORT STUDY Emily Adams ¹ , Héloïse Lavoie-Gagnon ² , Farhana Islam ¹ , Michael Humer ^{3,4} , Theodora Koulis ^{3,5} , Benjamin Mou ^{3,6} , David Kim ^{3,6} , Siavash Atrchian ^{3,6} ¹ University of Toronto, Toronto, ON ² Centre hospitalier Universitaire de Sherbrooke, Sherbrooke, QC ³ University of British Columbia, Vancouver, BC ⁴ Kelowna General Hospital, Kelowna, BC ⁵ British Columbia Cancer, Victoria, BC ⁶ British Columbia Cancer, Kelowna, BC
318	OPTIMIZATION OF WORKUP PATHWAYS TO DECREASE RADIOTHERAPY WAIT TIMES AND IMPROVING PATIENT EXPERIENCE: A SINGLE CENTRE STUDY Abdulmajeed Dayyat ¹ , Kwamena Beecham ¹ , Ashraf Mahmoud-Ahmad ¹ , Aimee Brenna ² , Helmut Hollenhorst ¹ , Amanda Caissie ¹ ¹ Dalhousie University, Halifax, NS ² Nova Scotia Health, Halifax, NS
319	RAPID AUTOMATED EXTRACTION OF DOSE-VOLUME HISTOGRAM DATA FOR ARBITRARY PATIENT COHORTS Logan Montgomery ¹ , Tim Olding ^{1,2} , Kurtis Dekker ^{1,2} ¹ Cancer Centre of Southeastern Ontario, Kingston, ON ² Queen's University, Kingston, ON
320	MONITORING CT DOSES IN DIAGNOSTIC RADIOLOGY THROUGH A DASHBOARD Pierre-Luc Asselin ¹ , Yannick Lemaréchal ² , Gabriel Couture ¹ , Samuel Ouellet ¹ , Jonathan Boivin ² , Philippe Després ¹ ¹ Université Laval, Quebec City, QC ² CHU de Québec-Université Laval, Quebec City, QC
321	COMPARISON OF PATIENT-SPECIFIC QUALITY ASSURANCE RESULTS FROM A DELIVER-LOG BASED CALCULATION SYSTEM AND DOSE RECONSTRUCTION IN PATIENT ANATOMY BASED ON PHANTOM MEASUREMENTS Gordon Chan ¹ , Orest Ostapiak ^{1,2} , Tom Chow ¹ , Baochang Liu ¹ , Marcin Wierzbicki ^{1,2} ¹ Juravinski Cancer Centre, Hamilton, ON ² McMaster University, Hamilton, ON
322	PATIENT EXPERIENCE IN A RADIATION THERAPY DEPARTMENT PRE- AND DURING THE COVID-19 PANDEMIC Lisa Barbera ^{1,2} , Demetra Yannitsos ¹ , Petra Grendarova ¹ ¹ University of Calgary, Calgary, AB ² Tom Baker Cancer Centre, Calgary, AB
323	AUTOMATED LOW CONTRAST DETECTION FOR ACR MRI PHANTOM QUALITY ASSURANCE Joseph Madamesila, Ali Golestani University of Calgary, Calgary, AB
324	AN INVESTIGATIONAL STUDY OF UNACCEPTABLE MONITOR UNITS IN STEREOTACTIC ABLATION RADIOTHERAPY (SABR) VOLUMETRIC MODULATED ARC THERAPY (VMAT) TREATMENT PLANS Gurpreet K. Sandhu, Fred Cao British Columbia Cancer, Surrey, BC
325	COMPARISON OF SET-UP ERRORS BETWEEN BREAST AND THORAX ALL-IN-ONE SOLUTION AND BREAST BOARD IN BREAST CANCER PATIENTS Aya Hassabelrasol, Agha Muhammed Hammad, Jamsari Khalid, Zahid Al Mandhari Sultan Qaboos Comprehensive Cancer Care and Research Centre (SQCCRC), Muscat, OM
326	OUTCOMES OF HYPOFRACTIONATED RADIOTHERAPY WITH INDUCTION OR SEQUENTIAL CHEMOTHERAPY FOR UNRESECTABLE STAGE III NON-SMALL CELL LUNG CANCER: SINGLE INSTITUTION EXPERIENCE Ian J. Gerard, Neelabh Rastogi, Jayson Paragas, Tanner Connel, Bassam Abdulkarim, Marie Duclos, Sergio Faria, Neil Kopek McGill University, Montréal, QC

Posters

Abstracts #327-328

NO.	ABSTRACT TITLE
327	CONVENTIONALLY FRACTIONATED VERSUS HYPOFRACTIONATED RADIOTHERAPY FOR TREATMENT OF UNRESECTABLE PANCREATIC CANCER: LOCAL CONTROL AND SURVIVAL OUTCOMES IN A RETROSPECTIVE SINGLE-INSTITUTIONAL ANALYSIS Daniel Tesolin, Vimoj Nair University of Ottawa, Ottawa, ON
328	TOXICITIES ASSOCIATED WITH RADIOTHERAPY FOR PROSTATE CANCER PATIENTS TREATED WITH VMAT Catherine McKenna ^{1,2} , Johnson Darko ^{1,2} , Ernest Osei ^{1,2} ¹ Grand River Regional Cancer Centre, Kitchener, ON ² University of Waterloo, Waterloo, ON

September 20-23, 2023

CARO-COMP Joint Scientific Meeting Committee Meetings

TIME	EVENT	ROOM
Friday, September 15, 2023		
12:30 – 1:30pm	CCPM Virtual Annual General Meeting	n/a
2:00 – 3:00pm	COMP Virtual Annual General Meeting	n/a
Wednesday, September 20, 2023		
8:30 – 5:00pm	COMP Board Meeting	Lamartine, Level A
1:00 – 2:00pm	CROF Board Meeting	Kafka, Level A
2:15 – 3:15pm	Targeting Cancer Canada	Musset, Level A
7:00 – 10:00pm	CARO Board Meeting	Musset, Level A
Thursday, September 21, 2023		
	n/a	
Friday, September 22, 2023		
7:00 – 8:00am	Canadian Brachytherapy Group Members Breakfast Meet and Greet	Ballroom, Level 4
1:00 – 2:00pm	Physics Associate Meeting	Salon 4, Level 2

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