COMP WINTER SCHOOL

REIRRADIATION IN MODERN RADIATION ONCOLOGY: CLINICAL, TECHNICAL AND RADIOBIOLOGICAL CONSIDERATIONS

EST. 2010
Canadian Winter School
École D'Hiver Canadienne

Pillar and Post Hotel, Niagara-on-the-Lake
Ontario, Canada

January 27-30, 2027

DETAILED PROGRAM

LAST UPDATED: NOVEMBER 3, 2026

Notes:

- Speaker names and sponsor details are placeholders (TBC) pending confirmation.
- Some site-specific sessions may run in parallel on January 28 (Day 2)

Wednesday January 27, 2027

Time (ET)	Session / Topic	Speakers / Facilitators	Linked Learning Objective
4:00 – 4:45 PM	**State of the Science: ReCOG & ESTRO Perspectives**	Emma Dunne, MD, PhD, FRCPC Monica Serban, PhD, MCCPM Michael Velec, PhD, MRT(T) Ane Appelt, PhD Charles Mayo, PhD, FAAPM, FASTRO	- Situate the goals within the broader international reirradiation research agenda advanced by ESTRO and ReCOG
4:45-5:30 PM	**Opening Keynote (ESTRO/ReCOG-endorsed)**	Laura Dawson, MD, FRCPC, FASTRO, FCAHS	- Identify the key questions the Winter School aims to address over the following three days
5:30 – 7:00 PM	**Welcome Reception**	—	

Thursday January 28, 2027

Time (ET)	Session / Topic	Speakers / Facilitators	Linked Learning Objective
6:30 – 7:00 AM	*Breakfast*	—	
7:00 – 7:30 AM	**Welcome: Opening Remarks & Icebreaker**	—	
7:30 – 8:00 AM	**Radiobiology**	Laure Marignol, PhD	- Explain the biological complexity and inter-patient variability in radiation response - Summarize experimental and preclinical approaches used to investigate radiation response and tissue recovery, and identify how these studies can inform reirradiation practice
8:00 – 8:30 AM	**Site-Specific Session:** **Brain & Spine** **Head & Neck** **Breast** **Thorax**	Thankamma Ajithkumar, MD, FRCR, FRCP Arnaud Beddok, MD, PhD Alanah Bergman, PhD, FCCPM Louise Murrey, MBChB, PhD Manju Sharma, PhD	- Summarize key outcomes and knowledge generated through major international collaborative networks and trials in reirradiation - Describe how international collaboration has shaped current clinical practice and research priorities; identify gaps in current evidence and emerging areas of investigation - Articulate anticipated near-term developments and their potential impact on clinical practice
8:30 – 9:00 AM			
9:00 – 9:30 AM			
9:30 – 10:00 AM			
10:00 – 10:30 AM	*Break (sponsor TBC)*	—	
10:30 – 11:00 AM	**Site-Specific Session:** **Liver & Abdomen** **Rectum & Pelvis** **Cervix & Pelvis**	Ane Appelt, PhD Supriya Chopra, MD, DNB Emma Dunne, MD, PhD, FRCP Donna Murrell, PhD, MCCPM Monica Serban, PhD, MCCPM	(see above)
11:00 – 11:30 AM			
11:30– 12:00 PM			
12:00 – 1:00 PM	*Lunch*	—	—
1:00 – 1:30 PM	**Site-Specific Session:** **Pediatrics**	Louis S. Constine, MD, FASTRO, FACR	(see above)
1:30 – 2:15 PM	**Radiobiological Modeling**	Issam El Naqa, PhD, DABR, FAAPM	- Describe how radiobiological principles in reirradiation differ from *de novo* treatment, and identify key knowledge gaps in tissue recovery modeling

2:15 – 3:00 PM	**Registries & Trial Design**	Chuck Mayo, PhD, FAAPM, FASTRO	- Identify how standardized registries and trial design can address current evidence gaps in reirradiation research - Describe active registries and trails designed for reirradiation research
3:00 – 3:30 PM	*Break (sponsor TBC)*	—	
3:30 – 5:00 PM	**Technology Spotlight I**	Industry representatives & delegates	- Describe current commercial technologies and platforms designed to address reirradiation challenges - Engage in dialogue with vendors about future product roadmaps and provide clinical input on the clinical tools needed to support reirradiation practice
6:00 PM onward	*Banquet (Offsite)* *Sponsored by Elekta* Elekta	—	

Friday January 29, 2027

Time (ET)	Session / Topic	Speakers / Facilitators	Linked Learning Objective
7:30 – 8:00 AM	*Breakfast*	—	
8:00 – 8:15 AM	**Welcome & Housekeeping**	—	
8:15 – 9:00 AM	**Image Registration & Dose Mapping**	Eliana Vasquez Osorio, PhD	- Evaluate current methods, limitations, and reporting standards for image registration-based dose mapping
9:00 – 9:30 AM	**Clinical Workflows**	Michael Velec, MRT(T), PhD	- Compare approaches, protocols, and resources across different provinces and institutions - Discuss recent efforts to establish standardized reirradiation workflows and the rationale for their adoption
9:30 – 10:00 AM	**Evaluation and Documentation Approaches Supporting Evidence Generation**	Ane Appelt, PhD Charles Mayo, PhD, FAAPM, FASTRO	-Explain how standardized evaluation documentation can support evidence generation -Improve the consistency of reirradiation data across patients and institutions
10:00 – 10:30 AM	*Break (sponsor TBC)*	—	
10:30 – 12:00 PM	**Technology Spotlight II Parallel workshops**	TBC	- Describe current commercial technologies and platforms designed to address reirradiation challenges
12:00 – 1:00 PM	*Lunch*	—	
1:00 – 1:30 PM	**Canada in Focus: CPQR KQI reRT Standards AROPAC Ontario Thorax Consensus**	Timothy Hanna, MD, MSC, PhD, FRCPC Murali Rajaraman, MD, FRCPC	- Identify major reirradiation initiatives currently underway across Canadian centres
1:30 – 3:00 PM			
3:00 – 3:30 PM	*Break (sponsor TBC)*	—	
3:30 – 5:00 PM	**Technology Spotlight III Parallel workshops**	TBC	- Describe current commercial technologies and platforms designed to address reirradiation challenges

Saturday January 30, 2027

Time (ET)	Session / Topic	Speakers / Facilitators	Linked Learning Objective
7:30 – 8:00 AM	*Breakfast*	—	
8:00 – 9:00 AM	**Project Gallery**	Featured delegate submissions	- Identify innovative reirradiation projects underway across Canadian institutions and agencies
9:00 – 10:00 AM	**Learning Reflections & Collaboration**	All delegates	- Discuss key takeaways in small groups and identify how to apply them within their own institution
10:00 – 10:30 AM	*Break (sponsor TBC)*	—	
10:30 – 12:00 PM	**Charting the Path Forward**	Brian Liszewski, MRT(T), BSc	- Synthesize insights from Days 1, 2 and 3 to inform a national strategy to advance care of all Canadian reirradiation patients - Engage constructively with multidisciplinary and multi-sector stakeholders to identify shared priorities in reirradiation - Contribute to defining concrete, actionable next steps for advancing reirradiation practice and research in Canada
12:00 PM – 3:30 PM	**National ReRT Data Workshop (Invite-Only)**	By invite	- Define a priority research question, testable hypotheses, and the clinical and physics champions who will lead the work. - Develop a pilot-ready data and implementation plan, including a minimum dataset mapped to O3, participating sites, data flow, and preferred platform. - Establish the foundations for success through a funding strategy, proposal writing team, interim steering group, and agreed consent principles.