



New avenues in the non-operative management of patients with rectal cancer: Time for discussion



DAY 1

How to proceed with Rectal brachytherapy

DAY 2

Innovative technologies and sciences behind the scenes

DAY 3

Clinical trials updates and challenges: time for discussion

Come and learn together!
An international conference, Montreal,
October 13-15, 2022

**New avenues in the non-operative management of patients with rectal cancer:
Time for discussion**

McGill University, Montreal, October 13-15, 2022

*Jewish General Hospital
Room A-139, Nurses Lecture Hall*

Thursday, October 13, 2022		
08:00 – 08:10	Welcome	Te Vuong
How to do it: Workshop on Rectal Brachytherapy (for Medical Physicists and Radiation Oncologists)		
Principles of HDRBT Rectal Brachytherapy Moderators: Phillip Devlin and Remi Nout		
08:10 – 08:30	Clinical Indications	Te Vuong
08:30 – 08:50	Practical Aspects	André-Guy Martin Véronique Vendrely
08:50 – 09:10	Dosimetry	Slobodan Devic
09:10 – 09:40	Questions	
09:40 – 10:00	Coffee Break	
10:00 – 12:00	Live Cases	
12:00 – 13:00	Lunch	
13:00 – 15:40	Clinical Cases for Countouring	
	Dosimetry Aspects	
15:40 – 16:00	Questions	

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Friday, October 14, 2022

Innovative Technologies and Sciences behind the scenes

Chair: Shirin A. Enger, Slobodan Devic

Innovations in Radionuclide-based Source and Applicator Development

Moderators: Slobodan Devic, Rowan Thomson

08:00 – 08:15	Novel Radiation Sources for HDR Brachytherapy Applications	Ryan Flynn
08:15 – 08:20	Questions	
08:20 – 08:35	Direction Modulated Brachytherapy for Treatment of Rectal Cancer	William Song
08:35 – 08:40	Questions	
08:40 – 08:55	Intensity Modulated Brachytherapy for Treatment of Rectal Cancer	Shirin A. Enger
08:55 – 09:00	Questions	
09:00 – 09:15	A Novel Rectal Applicator for Contact Radiotherapy	Evert van Limbergen
09:15 – 09:20	Questions	
09:20 – 09:35	Development of Medical Devices Under Health Canada Regulations	Enrique Garcia
09:35 – 09:40	Questions	
09:40 – 10:00	Coffee	
Innovations in Electronic Brachytherapy and Diffusing Alpha Emitters Radiotherapy		
<i>Moderators: Ryan Flynn, Shirin A. Enger</i>		
10:00 – 10:15	Development & Quality Assurance Workflow for a Novel Applicator for Xofig Axxent Source	Nada Tomic
10:15 – 10:20	Questions	
10:20 – 10:35	Characterization of the Source-to-source Variability for the Xofig Axxent Source	Azin Esmaelbeigi
10:35 – 10:40	Questions	
10:40 – 10:55	Rectal Cancer Treatment Using Diffusing Alpha Emitters Radiotherapy	Mérodie Cyr
10:55 – 11:00	Questions	
11:00 – 11:15	Targeting Liver Metastases and Systemic Immune Evasion with Diffusing Alpha Emitters Radiotherapy	Oran Zlotnik
11:15 – 11:20	Questions	

Dosimetry, Treatment Planning, Radiation Biology <i>Moderators: Nada Tomic, Hamed Bekerat</i>		
11:20 – 11:35	Model-based Dose Calculations for Treatment of Rectal Cancer	Rowan Thomson
11:35 – 11:40	Questions	
11:40 – 11:55	RapidBrachyMCTPS, a Treatment Planning System for Treatment Planning of Rectal Cancer with Radionuclide and Electronic Brachytherapy Sources	Jonathan Kalinowski
11:55 – 12:00	Questions	
12:00 – 12:15	Difference in Relative Biological Effectiveness Between Radiation Qualities used to Treat Rectal Cancer	Joanna Li
12:15 – 12:20	Questions	
12:20 – 13:20	Lunch	
Artificial Intelligence & Radiomics <i>Moderators: Ane Appelt/ James Tsui</i>		
13:20 – 13:35	Use of Artificial Intelligence for Treatment Outcome Prediction	Maaïke Berbee
13:35 – 13:40	Questions	
13:40 – 13:55	Deep Learning based Auto Segmentations of Tumors on Endoscopy Images	Alana Thibodeau-Antonucci
13:55 – 14:00	Questions	
14:00 – 14:15	Artificial Intelligence based Dosimetry	Sebastien Quetin
14:15 – 14:20	Questions	
14:20 – 14:35	The Role of Radiomics in Rectal Cancer	Nicolas Giraud
14:35 – 14:40	Questions	
Radiosensitization & Liquid Biopsy <i>Moderators: Maaïke Berbee, Corey Miller</i>		
14:40 – 14:55	Radio-selective Effects of a Natural Occurring Muscle-Derived Dipeptide	Norma Ybarra
14:55 – 15:00	Questions	
15:00 – 15:15	Rectal Cancer Radiosensitization with Bioactive Food Compounds	Samuel Amintas
15:15 – 15:20	Questions	
15:20 – 15:35	Immuno Score	Franck Pagès
15:35 – 15:40	Questions	
15:40 – 15:55	Liquid Biopsy for Chemoradiotherapy Response Assessment	Sandrine Dabernat
15:55 – 16:00	Questions	

16:00 – 16:15	The impact of microbiota on colorectal cancer surgery healing	Carole Richard
16:15 – 16:20	Questions	
16:20 – 17:10	Discussions: Potential Applications of these Innovative Technological Developments	All participants
17:10 – 17:35	Questions	

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Saturday, October 15, 2022		
Clinical Trials Updates and Challenges: Time for discussion		
Planned Watch and Wait Dose Escalation		
<i>Moderators: Marylise Boutros / André-Guy Martin / Corrie Marijnen</i>		
08:00 – 08:15	External Beam Boost	
08:15 – 08:20	Questions	Corrie Marijnen
08:20 – 08:35	Contact Therapy (OPERA) results	
08:35 – 08:40	Questions	Jean-Pierre Gérard
08:40 – 08:55	High Dose Rate Endorectal Brachytherapy (Morpheus study)	
08:55 – 09:00	Questions	Te Vuong
09:00 – 09:15	Consolidation Chemotherapy updates (OPRA study)	
09:15 – 09:20	Questions	Julio Garcia Aguliar
09:20 – 09:35	Total neoadjuvant treatment: induction chemotherapy (Prodige 23)	
09:35 – 09:40	Questions	Eric Rullier
09:40 – 09:55	Planned or opportunistic approach	Rodrigo Perez Krzysztof Bujko
09:55 – 10:00	Questions	Geerard Beets Jean-Pierre Gérard
10:00 – 10:15	Coffee Break	
Patient Selection for Watch and Wait		
<i>Moderators: Sender Liberman / Carol-Ann Vasilevsky/ John Marks</i>		
10:15 – 10:35	Tumor Board – Case Scenario CT2 Low Rectal Cancer: TME Surgery versus Watch & Wait or local excision	Marylise Boutros Geerard Beets Rodrigo Perez Jean-Pierre Gérard
10:35 – 10:40	Questions	Arthur Sun Myint Krzysztof Bujko Te Vuong Véronique Vendrely
10:40 – 10:55	Patients' preference. The Pathos Study	
10:55 – 11:00	Questions	Luciana Poggi
11:00 – 11:15	A shared medical decision: the ethician's point of view	
11:15 – 11:20	Questions	Thibaud Haaser

11:20 – 11:35	Tumor Factors in the Selection of Watch & Wait	Krzysztof Bujko
11:35 – 11:40	Questions	
11:40 – 11:55	The Trigger Trial	Gina Brown
11:55 – 12:00	Questions	
N-CCR: How Long Should We wait in case of near complete response? <i>Moderators: Angelita Habr-Gama / Rodrigo Perez</i>		
12:00 – 12:15	French intergroup trial: Implementation of a tumor response assessment program integrating shared medical decisions into the organ preservation strategy for patients with rectal cancer	Véronique Vendrely
12:15 – 12:20	Questions	
12:20 – 12:35	How long should we wait in case of near complete response? The national Dutch experience and the international database on watch-and-wait	Geerard Beets
12:35 – 12:40	Questions	
12:40 – 12:55	The Brazilian experience	Angelita Habr-Gama Rodrigo Perez
12:55 – 13:00	Questions	
13:00 – 13:15	The history of the Lyon-Nice experience	Jean-Pierre Gérard
13:15 – 13:20	Questions	
13:20 – 14:20	Lunch	
New Research protocols <i>Moderators: S.Hoffe / E.Kennedy / Jean-Pierre Gerard</i>		
14:20 – 14:35	Dose escalation with contact Xray brachytherapy - UK experience	Arthur Sun Myint
14:35 – 14:40	Questions	
14:40 – 14:55	Preliminary results of the WW2 Danish trial	Edina Dizdarevic
14:55 – 15:00	Questions	
15:00 – 15:15	Dose Escalation: Where is the Evidence?	Ane Appelt
15:15 – 15:20	Questions	
15:20 – 15:35	Bowel function evaluation after dose escalation	Aurélie Garant
15:35 – 15:40	Questions	
15:40 – 15:55	Trésor Trial	Jean-Pierre Gérard Jérôme Durand-Labrunie
15:55 – 16:00	Questions	
Salvage Surgery for Tumor Regrowth <i>Moderators: Vincenzo Valentini / Marylise Boutros / John Marks</i>		
16:00 – 16:15	Tumor Board - Case scenario	Marylise Boutros
16:15 – 16:20	Questions	

16:20 – 16:35	Salvage surgery for regrowths: TEM – Local excision versus TME	Geerard Beets Regina Beets Rodrigo Perez John Marks
16:35 – 16:40	Questions	Eric Rullier Julio-Garcia Aguilar
16:40 – 16:55	Tumor regrowth and risks for distant metastasis	Krzysztof Bujko
16:55 – 17:00	Questions	
17:00 – 17:15	Tumor regrowth and risks for distant metastasis	Rodrigo Perez
17:15 – 17:20	Questions	
17:20 – 17:50	Final Questions	

This program meets the accreditation criteria as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada and has been accredited by the Office of Continuing Professional Development, Faculty of Medicine and Health Sciences, McGill University for up to 22.25 Section 1 credits/hours.

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