

Image-Guided Radiation Therapy

Lung IGRT Education Course



putting innovation to work

January 17–19, 2013, Toronto, Canada

THURSDAY, January 17, 2013

1:30–2:00	<i>Registration and Lunch</i>	<i>Red Room (1B-615) ‡</i>
2:00–2:10	Welcome and Introductions David Jaffray PhD	
2:10–2:50	Lung Cancer 101: Setting the Stage Andrea Bezjak MD	
2:50–2:55	Discussion	
Session 1: The Basics of Lung IGRT		
2:55–3:15	The IGRT Education Course: Concepts Doug Moseley PhD	
3:15–3:50	Cone-beam CT Primer David Jaffray PhD	
3:50–4:00	Discussion	
4:00–4:15	<i>Break</i>	
4:15–4:40	Treatment Intent and Patient Selection Alex Sun MD	
4:40–4:45	Discussion	
4:45–5:25	Quality Assurance in an Image-Guided Era Jean-Pierre Bissonnette PhD	
5:25–5:30	Discussion	
5:30	End of Day	<i>Dinner on your own</i>



‡All sessions and events of the course are in the Red Room (1B-615) unless otherwise indicated.

FRIDAY, January 18, 2013

8:00–9:00	Citywide Rounds Follow-up after curative therapy for an early-stage non-small cell lung cancer: new insights from the surgical and stereotactic radiotherapy literature Suresh Senan MD	<i>7th Floor Conference Room</i>
9:00–9:30	<i>Breakfast and Sign In</i>	
Session 2: Setting the Scene		
9:30–9:50	Issues in Radical Radiotherapy for Lung Cancer Andrea Bezjak MD	
9:50–9:55	Discussion	
9:55–10:20	Margin Design Tim Craig PhD	
10:20–10:45	Simulation and Motion Management Doug Moseley PhD	
10:45–10:50	Discussion	
10:50–11:05	<i>Break</i>	<i>7th Floor Atrium</i>
Session 3 : The IGRT Journey–Image, Plan, Treat		
11:05–12:05	Treatment Planning in Lung IGRT– from targets to plan optimization Anthony Brade MD, Tom Purdie PhD, Shannon Pearson MRT(T)	
12:05–12:10	Discussion	
12:10–1:10	<i>Lunch</i>	<i>7th Floor Atrium</i>
Session 4A: Demonstrations and Practical Exercises		
1:10–2:10	Target Delineation (Contouring Exercise) John Cho MD, Meredith Giuliani MD, Shannon Pearson MRT(T), Suresh Senan MD, Mei Yap MD	<i>Skills Lab</i>
OR	Technical Topics in Lung IGRT Doug Moseley PhD, Jean-Pierre Bissonnette PhD, Winnie Li MRT(T), Tom Purdie PhD	<i>1B Red Room</i>
Session 3 cont'd: The IGRT Journey–Image, Plan, Treat		
2:10–2:55	Putting Lung IGRT into Action Petula Seco MRT(T), Alex Sun MD, Jean-Pierre Bissonnette PhD	
2:55–3:00	Discussion	
3:00–3:15	<i>Break</i>	
3:15–3:40	Lung IGRT at the Front Lines Petula Seco MRT(T), Meredith Giuliani MD	
3:40–3:45	Discussion	
Session 5: Beyond Conventional IGRT		
3:45–4:30	IGRT in Lung SBRT John Cho MD	
4:30–4:35	Discussion	
4:35–5:00	IGRT in Palliative Lung Radiation Therapy Andrea Bezjak MD	
5:00–5:05	Discussion	
5:05–7:30	<i>Wine & Cheese</i>	<i>Pencer Centre, 18th Floor</i>

SATURDAY, January 19, 2013

9:00–9:30 *Breakfast and Sign In* *1B Red Room*

9:30–9:45 **Recap**
Andrea Bezjak MD

9:45–9:50 *Discussion*

Session 4B: Demonstrations and Practical Exercises

9:50–9:55 **Overview and Introduction of Exercises**
Caitlin Gillan

10:00–11:30 **IGRT Image Registration Exercise** *Skills Lab*
Doug Moseley PhD, Winnie Li MRT(T)

AND **Unit Demonstrations – Varian and Elekta** *Units 5 & 6*
Petula Seco MRT(T), Paul Kwan MRT(T)

11:30–11:45 *Break*

Session 6: Preparing for the Future

11:45–12:45 **Keynote Address – Approaches to Large-volume Locally Advanced NSCLC**
Suresh Senan MD

12:45–1:40 *Lunch* *7th Floor Atrium*

1:40–2:20 **Developing a Lung SBRT Program: Prepare to Launch**
Andrea Bezjak MD, Tom Purdie PhD, Shannon Pearson MRT(T)

2:20–2:30 *Discussion*

2:30–3:15 **The Future of IGRT**
David Jaffray PhD

3:15–3:20 *Discussion*

3:20–3:45 **Team Work, Innovation, Change Management**
Jean-Pierre Bissonnette PhD

3:45–3:50 *Discussion*

3:50–4:05 *Break*

4:05–5:00 **Group Exercise**
David Jaffray PhD, Nicole Harnett MRT(T)

5:00–5:10 *Wrap-up / Evaluation*

6:30 *Dinner* *Jump Restaurant, 18 Wellington St. West*