



# Target Insight VIII:

## 4PRT – Photons, Protons, Particles and Progress in Radiation Therapy

May 1 - 2, 2014 | University of Toronto

Target Insight, now in its 8th year has been a mechanism to present targeted information to the radiation oncology community. In the recent past, this included the best practice use of advanced technologies such as IMRT, VMAT, IGRT and brachytherapy. This year the University of Toronto, The Hospital for Sick Children, Odette Cancer Centre, and Princess Margaret Cancer Centre are partnering together to bring the topic of Particle Therapy to the forefront of discussion for Canadians. Studies have demonstrated the gains in this treatment include lower overall costs because of less treatment morbidity.

Thursday, May 1	
7:30-8:30	Breakfast and Registration
8:30-9:00	<p><b>Welcome and Introductions - Doug Moseley &amp; Lee Chin, Co-Chairs</b></p> <p>Dr. Fei-Fei Liu, Chair UT DRO                      Dr. Robert Bell, President &amp; CEO, UHN                      Dr. Michael Sherar, CEO, CCO                      Dr. Michael Apkon, President &amp; CEO The Hospital for Sick Children</p>
9:00-10:00	<p><b>Keynote Presentation – Stephen Hahn</b>  <i>History of Protons</i></p> <ul style="list-style-type: none"> <li>Statistics worldwide, number of facilities, number of patients treated etc.</li> <li>Early technology to current</li> <li>General sites</li> <li>Canada’s contribution to particle therapy; Where are we internationally?</li> </ul>
10:00-10:30	Coffee Break
10:30-12:00	<p><b>Session I: Technology Comparison – Doug Moseley and Young Lee</b></p> <p>History and transition between technologies, Type of Proton Accelerators, Gantry Head &amp; Delivery, Vendor Specific Attributes</p>
12:00-1:00	Lunch Break
1:00-2:00	<p><b>Session II: Therapy – Stacey Schmidt</b></p> <p>Proton Radiation Safety Considerations, Patient Perspective on Proton Therapy Experience: Through the eyes of a therapist, Overview of a Typical Clinical Day in Proton Treatment Facility</p>
2:00-2:55	<p><b>Session III: Proton Therapy &amp; Research – Jean Philippe Pignol</b></p> <p>Challenges and Solutions of Proton Therapy &amp; Emerging Research</p> <ul style="list-style-type: none"> <li>Range uncertainty and impact on PTV margins</li> <li>Proton radiography</li> <li>In vivo PET imaging</li> <li>What are the clinical questions and where are the trials</li> </ul>
2:55-3:25	Coffee Break
3:25-4:00	<p><b>Session IV: Clinical Experience and Treatment Sites I</b></p> <p>Pediatrics - Daniel Indelicato</p>
4:00-5:00	<p><b>Pediatric Panel Case Discussion - Particle Therapy vs. Current Therapies (IMRT, VMAT, Brachytherapy, etc.)</b></p> <p>Moderator: David Malkin                      Anita Mahajan, Daniel Indelicato</p>

Friday, May 2	
7:30-8:30	Breakfast
8:30-9:30	<p><b>Keynote Presentation - Wolfgang Sauerwein</b></p> <p><i>Clinical Benefits of Particle Therapy</i>                      Moderator: Jean Philippe Pignol</p>
9:30-10:15	<p><b>Session V: Radiobiology Overview</b></p> <p>Bradly Wouters                      Moderator: Doug Moseley</p>
10:15-10:45	Coffee Break
10:45-12:00	<p><b>Session VI: Clinical Experience &amp; Treatment Sites II</b></p> <p>CNS – Anita Mahajan                      Ophthalmology – Tom Pickles                      30 min presentation, 7 min Q&amp;A</p>
12:00-1:00	Lunch Break
1:00-2:30	<p><b>Session VII: Obligation vs. Options for Proton Therapy</b></p> <p>Moderator: David Malkin                      Health Economics: Why We Want Protons in Ontario - Jeff Hoch                      Legal and Ethical Obligations - Randi Zlotnik Shaul</p>
2:30-3:00	Coffee Break
3:00-4:15	<p><b>Concluding Debate</b></p> <p><b>How Does Proton Therapy Fit in Ontario/Canada</b></p> <p>Moderator: Ivo Olivotto and Jean Philippe Pignol                      Tom Pickles and Wolfgang Sauerwein</p>
4:15-4:30	<p><b>Evaluation and Adjournment: Doug Moseley and Lee Chin with David Jaffray</b></p>

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