



RTi3 Conference – March 4, 2016

8:00 to 9:00	Registration and Breakfast	
9:00 – 9:05	UT DRO Chair Welcome and Opening Remarks: Fei-Fei Liu	
9:05 – 9:10	Welcome and Opening Remarks: Lisa Di Prospero and Kieng Tan (Co-Chairs)	
9:10 – 9:15	RTi3 Conference Housekeeping	
9:15 – 10:00	“Innovate” Invited Keynote Speaker <i>Gunita Mitera</i>	
10:00 – 10:30	“Innovate” Top-Ranked Abstract Quality Assessment of Turbo CBCT for Lung SBRT <i>Kevin Allen</i>	
10:30 – 10:50	Break and Poster Viewing	
10:50 – 12:00	Plenary 1: Practice Inquiry	Transitioning to Careers Impacting Radiation Therapy Practice (Panel with Q&A)
	<p>Fighting Prostate Cancer with our Eyes Open: Impact of MRI staging on Risk Assessment and Radiation Therapy <i>Chen Ji</i></p> <p>A Comparison Study of Two Immobilizing Systems for Patients Receiving Head and Neck treatment: QFix Accufix™ vs QFix Portrait™ <i>Hillary Le</i></p> <p>An Evaluation of Bolus Placement and its Effect on the Dose Distribution of Patients Receiving Radiotherapy for Head and Neck Cancers <i>Jacob Kempt</i></p> <p>A Retrospective Study of Heart and Lung Dosimetric Values resulting from 2-Field and 4-Field Breast Irradiation Techniques <i>Kevin Smith</i></p> <p>An Orthovoltage Planning Clinic For Skin Cancer Patients <i>Emily Sinclair</i></p> <p>Laying the Foundation for Palliative Spine VMAT Delivery: A Single Centre Study of Rotational Error and Immobilization <i>Natalie Rozanec</i></p> <p>A DVH Based Optimization Approach to Improve Dose Conformity of Post-Prostatectomy Patients Planned with Pinnacle SmartArc <i>Sarah McMullin</i></p>	<p>Whether it's a move to a new role or a complete career change, career transitions can be very daunting. RTi3's career panel, representing non-clinical careers that continue to impact radiation therapy practice, will provide insight into potential career pathways – recognizing where you are, where you want to be, and how where you are can assist you in reaching where you want to be.</p> <p style="text-align: right;"><i>Ruth Barker, CPAC</i> <i>Susan Fawcett, University of Alberta</i> <i>James Loudon, SRCC Manager</i> <i>Zabin Mawji, International Outreach</i> <i>Gunita Mitera, CPAC</i> <i>Ron Wallace, Medron Medical Systems</i></p>
12:00 – 1:00	LUNCH	



	Plenary 2: Innovations in Radiation Medicine	Plenary 3: Melange
1:00 – 2:00	<p>Multiparametric Monitoring of Chemotherapy Treatment Response in Locally Advanced Breast Cancer using Quantitative Ultrasound and Diffuse Optical Spectroscopy <i>William Tran</i></p> <p>Cavity Delineation and Plan Review in Breast Radiotherapy: Concordance between Clinical Specialist Radiation Therapist and Radiation Oncologist <i>Grace Lee</i></p> <p>The Association between Reconstructed Bladder Wall Dose and Chronic Urinary Toxicity following Prostate Radiotherapy <i>Tara Rosewall</i></p> <p>Commissioning a Next-Generation Treatment Planning System for Adaptive Radiation Therapy <i>Michael Velec</i></p> <p>Disruption of the tumor vasculature using combined radiation and ultrasound-stimulated microbubbles: Preliminary preclinical results in human prostate xenografts <i>Aaron Cumal</i></p>	<p>Radiotherapy for the prophylaxis of heterotopic ossification: A systematic review and meta-analysis of randomized controlled trials <i>Milica Milakovic</i></p> <p>Utilizing staff feedback to drive a departmental wide process improvement initiative on radiation treatment appointment durations <i>Nerys Phan</i></p> <p>12-Hour Shifts For Radiation Therapists <i>Catherine Young</i></p> <p>Workplace Violence in the Radiation Therapy Department <i>Annette Sperduti</i></p> <p>Embedding Interprofessional Collaboration Principles within the organizational framework: co-creation of an interprofessional practice council for oncology (IPCO) <i>Lisa Di Prospero</i></p>
2:00 – 2:05	Transit Time	
	Workshop 1: Translating Big Data into Clinical Practice	
2:05 – 3:40	<p>A Systematic Bioinformatics Infrastructure to Support Advances in Professional MRTT Practice</p> <p>At the end of this workshop the learner will:</p> <ul style="list-style-type: none"> Understand the theoretical basis for, and the practical nature of establishing a systematic bioinformatics infrastructure to support advances in professional radiation therapist practice Explore the INSPIRES domains through participation in group discussion <p><i>Tessa Larsen</i></p>	
	Plenary 4: Brachytherapy	Moderated Poster Session 1: Advancing Practice
2:05 – 2:40	<p>Treatment of locally advanced gynecological malignancies with CT-based interstitial brachytherapy: A Single Institution Early Experience <i>Mackenzie Smith</i></p> <p>The Development and Assessment of a Novel e-Education Tool to Enhance the Patient Experience <i>Laura D'Alimonte</i></p>	<p>The Development of a Clinical Specialist Radiation Therapist role, specializing in Palliative Care in a non-dedicated palliative care clinic structure <i>Carrie Lavergne</i></p> <p>Do you see what I see? Standardized Imaging Education for Therapists <i>Vanessa Barisic</i></p> <p>Radiation Therapists' Perceptions of Students in the Clinical Environment <i>Sylvia Rezonja</i></p> <p>Lavender Aromatherapy to Reduce Anxiety Levels in Brain, Head and Neck and Breast Patients during their CT Simulation Appointment for Radiation Therapy <i>Rupinder Atwal</i></p>



<p>2:40-2:45 Transit Time</p>	<p>The “Seedy side” of Intraocular Brachytherapy <i>Anne Di Tomasso</i></p> <p>Treatment outcomes for Locally Advanced Cervical Cancer with Chemo-Radiation and Two-Dimensional HDR Brachytherapy: 5 fractions of 5.5Gy <i>Mackenzie Smith</i></p>	<p>Reduction of Radiation Induced Bone Fracture Incidence using Bone Avoidance Objectives for Radiotherapy Planning in Lower Extremity Soft Tissue Sarcoma <i>Simon Xie</i></p> <p>Investigating the Feasibility of Radiation Therapists Performing Portal Dose Verifications for VMAT Plans Using EPIDs and the Practical Implications in a Clinical Setting <i>Kenny Zhan</i></p> <p>Safe Patient Handling and Movement Program Implementation and Initial Outcomes <i>Cynthia Penner</i></p>
<p>2:45 – 3:20</p>	<p>Plenary 5: Improving Academic Practice through Education</p> <p>To Prep or Not to Prep: That is the Question <i>Merrylee McGuffin</i></p> <p>Co-creating beyond the expert: Lessons learned from the development of an e(electronic)-Learning Series through an intentional partnership of technology and clinical practice <i>Minoli Mendis and Christopher Townsend</i></p> <p>Moving Forward with a Multimedia Patient Education Initiative --- Accessing the Perceptions of Patients and Staff <i>Shayne Allum</i></p> <p>Development of an Education Resource for Post-Prostatectomy Prostate Cancer Patients Who Require Radiotherapy <i>Merrylee McGuffin</i></p>	<p>Moderated Poster Session 2: Evaluating Practice</p> <p>Volumetric Whole Brain Irradiation Evaluation <i>Sheila Sze</i></p> <p>Using a tomotherapy treatment machine on ten oropharyngeal patient’s, does a 5.0cm dynamic jaw produce an equivalent dose distribution, with regards to tumour coverage, sparing of organs at risk, and penumbra, in a more efficient time frame when compared to the 2.5cm fixed jaw? <i>Brittany Toms</i></p> <p>A new large animal model to assess secondary tumour cell death after ultrasound microbubble activation to enhance external beam radiotherapy <i>Niki Law</i></p> <p>Less is more: An evaluation of two immobilization devices for prostate cancer radiotherapy <i>Aaron Cumal</i></p> <p>Does the CTV, expanded based on RTOG consensus guidelines adequately cover Myxofibrosarcoma disease? <i>Jennifer Dang</i></p> <p>The Accuracy of Deformable Image Registration (DIR) in Modeling Organ Motion in Upper Gastro-Intestinal (GI) Cancers <i>Homa Jafari</i></p> <p>The stability of intracavitary applicator placement during patient transfer for cervical HDR brachytherapy <i>Sandra Peroff</i></p>
<p>3:20 – 3:40</p>	<p>Break and Poster Viewing</p>	
<p>3:40 – 4:10</p>	<p>“Inspire” Top-Ranked Abstract Leveraging the Benefits of Mobile Technology to Improve the Efficacy of the Consent-To-Treatment Process <i>Veng Chinn</i></p>	
<p>4:10 – 4:55</p>	<p>“Inspire” Invited Keynote Speaker <i>Eva Christensen</i></p>	
<p>4:55 – 5:00</p>	<p>Closing Remarks – Lisa Di Prospero and Kieng Tan (Co-Chairs)</p>	
<p>5:00 – 5:05</p>	<p>Conference Housekeeping & Social Reminders</p>	
<p>5:30</p>	<p>INSPIRE SOCIAL EVENT (University of Toronto Art Gallery) Network, Share and Learn over great food, drink and conversation!</p>	



RTi3 Conference – March 5, 2016

8:00 to 9:00	Registration and Breakfast		
9:00 – 9:10	Welcome and Opening Remarks: Lisa Di Prospero and Kieng Tan (Co-Chairs)		
9:10 – 9:15	RTi3 Conference Housekeeping		
9:15 – 10:00	“Inquire” Invited Keynote Speaker <i>Sophie Huang</i>		
10:00 – 10:30	“Inquire” Top-Ranked Abstract The Role of Post Discharge Phone Calls in the Radiation Therapy Department <i>Linda Bunch</i>		
10:30 – 10:50	Break and Poster Viewing		
	Plenary 6: SBRT / SABR	Turning a Project into Research (Research Panel with Q&A)	Plenary 7: Patient and Supportive Care
	<p>Moving beyond the framed approach in the treatment of stereotactic radiosurgery <i>Lori Holden</i></p> <p>A Quality Improvement Evaluation of Evolving Technologies in Liver SBRT <i>Darby Erler</i></p> <p>Evaluation of 3D vs 4D Cone-beam CT (CBCT) Target Localization Methods for Free Breathing Liver Stereotactic Body Radiotherapy (SBRT) <i>Winnie Li</i></p> <p>DIBH for liver stereotactic body radiation therapy (SBRT) <i>Clare Summers</i></p> <p>The role of ultrasound imaging of bladder volume as a method to improve patient setup accuracy and reproducibility for prostate stereotactic ablative radiotherapy <i>Dilshad Nathoo</i></p> <p>Stereotactic body radiation therapy for non-spine bone metastases: A single institution’s experience <i>Darby Erler</i></p>	<p>We all have ideas about how we can change and improve our practice, whether it’s dosimetric, technique, toxicities and outcomes, or patient and supportive care. We all want to practice better. Thus, we read journal articles, join committees, and even initiate a department project. How do you take the idea of a project from your mind, committee, department, and translate it into a research study? Join us at this research themed session and find out.</p> <p>Ethical Consideration – <i>Tara Rosewall, Princess Margaret</i></p> <p>Refining a Research Question – <i>Lori Holden, Odette Cancer Centre</i></p> <p>Writing the Paper – <i>Lynn Montgomery, The Ottawa Hospital Cancer Centre</i></p>	<p>Dosimetric impacts on skin toxicity for patients using topical agents and dressings in radiotherapy. <i>Karen Tse</i></p> <p>Through the lens of our patients: BCCA radiation therapy satisfaction survey overhaul <i>Ben Lee</i></p> <p>The Supportive Care Needs of Cancer patients receiving Radiation Therapy: A Retrospective Review of Radiation therapists’ Referral Practices during the Treatment Delivery Process at a large Cancer Centre <i>Angela Turner</i></p> <p>The Auto-generated Patient Discharge Summary: A Single Centre Pilot Project for Standardization of Information during Care Transitions <i>Natalie Rozanec</i></p> <p>An investigation into body image concerns in head and neck cancer patients receiving radiation or chemoradiation using the Body Image Scale (BIS): A pilot study <i>Leah Branch</i></p> <p>Navigating Radiation Therapy-An APP for children and their families <i>Susan Awrey</i></p> <p>Patient Pre-Clinic Expectations of a Visit to Ontario’s only Multidisciplinary Skin Cancer Clinic <i>Emily Sinclair</i></p>
10:50 – 12:00			
12:00 – 1:00	LUNCH		



	Plenary 8: Quality Radiotherapy & Safe Practice		National Innovation Snapshot
1:00 – 1:55	<p>Standardization of Radiation Therapy Processes <i>Edwin Chan</i></p> <p>Standardization of Image Guided Radiation Therapy using Cone-Beam Computed Tomography when Treating the Axillary Lymph Nodes <i>Shaziya Malam</i></p> <p>Does Peer Review of Radiation Plans Impact Clinical Care? A Systematic Review of the Literature <i>Kelsey Brunskill</i></p> <p>Development Of The Dose Accumulation Workflow: Evaluating The Feasibility Of Automation For Quality Improvement <i>Vickie Kong</i></p> <p>The Hurdles to One Hundred: Barriers to Peer Review in Radiation Oncology <i>Brian Liszewski</i></p>	<p>Showcasing innovations from across the country to foster a community of practice, networking and collaboration.</p> <p>Legacy Videos - Christine Hill (Princess Margaret) Topic TBD -Jennifer Montgomery (SMRCC) Topic TBD - Robyn Pawluc (GRRCC) Topic TBD - Cynthia Penner/Gina Kowaski (Cancer Care Manitoba) Topic TBD – (Odette) Topic TBD – (DRCC) Topic TBD – (SRCC)</p>	
1:55-2:00	Transit Time		
	Plenary 9: Quality Radiotherapy & Safe Practice	Moderated Poster Session 3: Impacting Patients	Plenary 10: Guiding Practice through Imaging
2:00 – 3:00	<p>The Road-map to Quality: Translating the Quality Assurance Guidelines for Canadian Radiation Treatment Programs into Practice <i>Brian Liszewski</i></p> <p>Stop! in the Name of Safety: The Single Fraction Checklist – An Assessment Tool For High Risk Treatment Scenarios <i>Paulette McKeon</i></p> <p>Evaluating the Effect of Implementing Medical Directives on physician workload <i>Sylvia Mitchell</i></p> <p>Optimizing the Referral-to-Treatment Pathway for Head and Neck (H&N) Radiotherapy using Lean Principles <i>Amanda Lamb</i></p> <p>The Application of Human Factor and System Engineering in Understanding Hardware and Software Errors at the Odette Cancer Centre <i>Wai Tai (Victor) Lui</i></p>	<p>Smoke ‘N Mirrors: Is Medical Marihuana All That It’s Cracked Up To Be? <i>Bonnie Bristow</i></p> <p>Satisfaction of Head and Neck Cancer Patients and their Families with the Information They Received About Side Effects Before Radiation Treatment <i>Subanki Sivanrupan</i></p> <p>It’s the Little Things: Small Gestures in Patient Care, Big Impact <i>Natasha McMaster</i></p> <p>Followed by viewing of all posters</p>	<p>Quantification Of Interobserver Variability In Image Registration Using Conebeam CT For Partial Bladder Radiotherapy <i>Vickie Kong</i></p> <p>Dose escalation in radiotherapy for locally advanced non-small cell lung cancer using 4D FDG PET/CT: a planning study <i>Andrea Marshall</i></p> <p>Informing the Eye of the Beholder: Understanding CT image artifacts to improve the quality of target and normal tissue delineation for head and neck radiotherapy planning <i>Hon Biu Chan</i></p> <p>Optimizing Image Guidance Strategies for Breast Boost Radiation Therapy <i>Susanne Lofgren</i></p> <p>Evaluation of Bony Anatomy versus Endobiliary Stents as Surrogates for Volumetric Image Guidance in Pancreatic Cancer <i>Christos Chortogiannos</i></p> <p>Image Guidance for Early Stage Breast Cancer Patients Undergoing Single Fraction Radiotherapy <i>Krista Bota</i></p>



3:00 – 3:30	Break and Poster Viewing <i>Last Chance to Vote for Best Podium and Best Poster</i>
3:30 – 4:15	“Interprofessional” Invited Speaker <i>Tracey DasGupta</i>
4:15 – 4:25	Awards
4:25 – 4:30	Closing Remarks – Lisa Di Prospero and Kieng Tan (Co-Chairs)
4:30	END of CONFERENCE