



Radiation Oncology  
UNIVERSITY OF TORONTO

Annual Report  
2008-2009

# **VISION**

**Excellence and Leadership in Radiation Medicine  
Research, Education, and Clinical Practice**

## **DEPARTMENT OF RADIATION ONCOLOGY**

# **MISSION**

**To Advance the Science and Practice of  
Radiation Medicine**

## Table of Contents

Chairs' Report .....	5
Faculty List .....	10
Committees .....	14
Clinical Programs .....	18
Education Report .....	20
Medical Radiation Sciences Program .....	33
Equity Report.....	39
Research Report .....	40
Research Grants .....	44
Publications .....	68
Peer-reviewed .....	68
Non Peer-Reviewed .....	100
Book Chapters .....	105
Abstracts .....	110
Presentations .....	146
Awards .....	180
Research Day .....	185

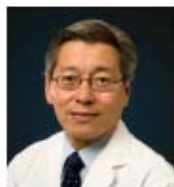
Department of Radiation Oncology Executive  
2008/09



Chair  
Mary Gospodarowicz



Vice Chair  
Academic Affairs  
Pam Catton



Vice Chair  
Clinical Affairs  
Shun Wong



Vice Chair  
Academic Programs  
David Jaffray

Directors



Director  
Research  
Anthony Fyles



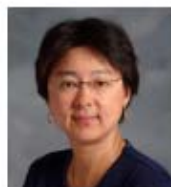
Director  
Postgraduate Education  
Barbara-Ann Millar



Director  
Fellowship Program  
Charles Catton



Director  
Continuing Education  
David Wiljer



Director  
Equity Officer  
Fei-Fei Liu



Director  
Undergraduate  
May Tsao



Director  
Graduate  
Nicole Harnett

## Chair Letter

It is with great pleasure that I present to you the University of Toronto, Department of Radiation Oncology 2008–2009 Annual Report. Despite challenges posed by an unstable economic climate, the Department continues to strengthen and innovate upon our first class academic and clinical programs.

I am proud to report that we have expanded our pool of talent in the disciplines of Radiation Oncology, Physics and Radiotherapy, with seven new faculty members joining the Department. We welcomed Dr. Deidre Batchelar, Dr. Marco Carlone, Dr. Hans Chung, Dr. Catherine Coolens, Dr. Saibishkumar Elantholi Parameswaran, Anna Kirilova, Dr. Daniel Létourneau, Dr. Patricia Lindsay, Dr. Miller MacPherson, and Dr. Danny Vesprini to the Department. As UT DRO continues to grow, we are mindful of ensuring that we establish a solid infrastructure and recruit outstanding leaders. We are very proud of the 2008 Michael Fry Research Prize in recognition of his extraordinary contributions to the field of radiation research awarded by the Radiation Research Society to Professor Bradley Wouters last year. In recognition of her contributions to research and teaching, mentorship and promoting international collaboration, and her leadership contribution to the International Gynecologic Cancer Society (IGCS), Dr. Gillian Thomas was awarded the 2008 IGCS Award for Excellence. Dr. Gregory Czarnota was awarded a prestigious Cancer Care Ontario Research Chair. Moreover, Dr. Robert Bristow received the 2009 Faculty of Medicine Excellence in Postgraduate Medical Education Award in recognition of his achievements in Teaching and Performance, Mentorship and Advocacy.

Within the past year, Dr. Juanita Cook left Toronto to assume a position as Professor of Radiation Oncology at the BCCA Center for the Southern Interior, University of British Columbia Okanogan.

I want to congratulate Drs. Cynthia Menard, Michael Sharpe, and Yee Ung, who were promoted to the rank of Associate Professor, and Drs. Andrea Bezjak, Robert Bristow, Edward Chow, and Michael Milosevic, who were promoted to the rank of Professor.

Our education programs continued to expand. Under the leadership of Professor Charles Catton, the Radiation Oncology Fellowship Program introduced an intake of new fellows midyear in January in addition to the usual July intake. This will provide greater flexibility for international applicants to join our program and a smoother turnover. This will give particular advantage to the applicants from the southern hemisphere.

Professor David Wiljer and his team revitalized the UT DRO Continuing Education Program. The CE events and courses were particularly successful this year, boasting increased attendance, and drawing participants from all over Canada, the United States, and international institutions in Australia, the United Kingdom, and Mexico. Key events such as *Target Insight III* and the *6th Toronto Radiation Medicine Conference* saw a boost in sponsorship in spite of challenging economic environment. Moreover due to success in

attendance and feedback, the Image-Guided Radiation Therapy (IGRT) Education Course was extended for another year. The faculty developed a new IMRT Course to meet the provincial educational needs. This course will run four times over a period of two years.

In order to facilitate discussion about our strategic vision and direction among myself and the Department's Vice-Chairs and Directors, we hosted our first annual UT DRO Leadership event.

It is with great enthusiasm that I share with you our decision to develop a strategic plan in the coming months. We eagerly anticipate developing a course of action for actualizing the Department's vision of excellence and leadership in radiation medicine research, education, and clinical practice.

Finally, I would like to acknowledge the contributions made by Dr. Shun Wong, who served as Acting Chair from April to July 2009 during my sabbatical leave and UT DRO Vice-Chairs Professor Pamela Catton, Professor David Jaffray, and Professor Shun Wong. Their leadership contributions are invaluable to the success of UT DRO.

I am confident that, as you review this year's report, you will be impressed with the accomplishments, the vision and the direction of the department.

**Mary Gospodarowicz, MD, FRCPC, FRCR (Hon)**  
Professor and Chair

## Vice-Chair Reports

### Academic Affairs

Dr. Pamela Catton

As Vice-Chair for Academic Affairs, Dr. Pamela Catton is responsible for the oversight of all education and financial activities in the Department. During the 2008-2009 period her efforts were focused on 1.) initiating key partnerships in the radiation oncology field to enhance and expand educational programming despite fiscal limitations in a challenging economic climate; 2) ensure all departmental educational activities are orientated towards serving the professional and research training needs of all radiation professional disciplines; 3) adapt and build on established programs to meet the educational needs of a much wider group of learners external to the Department.

Initiatives in Continuing Medical Education included partnering with Princess Margaret Hospital and Cancer Care Ontario (CCO) to offer larger and more innovative collaborative events and expand the program of interprofessional radiation medicine education events offered. In order to meet provincial practice needs in the field of intensity modulated radiation therapy (IMRT), a two-day education course in IMRT was offered externally to radiation medicine professionals from across Ontario. Dr. Michael Sharpe was awarded an educational grant by CCO to lead this initiative.

A clinical education partnership is in development with the Southlake Regional Health Center in Newmarket and the McLaughlin Durham Regional Cancer Centre in Oshawa. Moreover the Department is actively working with Ryerson University to form linkages with Physics education and training in support of several of our education programs.

At the graduate level, the Department is committed to adhering to a standard of excellence and cutting edge innovation. It is also recognized that course delivery methods need to become more flexible to reach the working professional. This year the Radiobiology Course was delivered in a condensed format, as a prelude to making our training programs more accessible to practitioners, residents and graduate students across the country. Plans to develop technology assisted courses are in the works.

The outstanding leadership and teaching abilities of several members of the Department were acknowledged through prestigious awards. Dr. Robert Bristow received the 2009 Faculty of Medicine "Excellence in Postgraduate Medical Education Award" in recognition of his achievements in Teaching and Performance, Mentorship and Advocacy. Dr. Meredith Giuliani, PGY2 won one of only two Postgraduate Medical Education (PGME) "Trainee Leadership Awards", introduced this year by the Faculty of Medicine; the nominees were from across all programs of the University of Toronto. Dr. Michael B. Sharpe presented a refresher course at the Radiological Society of North America's 2008 Annual Meeting and Scientific Assembly entitled: "Multimodality Image Integration". Only a select group of radiologists are invited to contribute to the continuing professional development of their colleagues at this annual meeting which was attended this year by over 27,427 professional registrants representing 95 countries.

## **Clinical Affairs**

Dr. Shun Wong

As Vice-Chair for Clinical Affairs, Dr. Shun Wong is responsible for policy and program issues related to relations with clinical sites and faculty. In this portfolio, he oversees the appointment, three-year review and promotions of members of the Department, and ensures that the recruitment and medical manpower plan at the clinical sites is aligned with the academic plan of the University Department.

The past 12 months have witnessed continuing growth of clinical, research and educational activities at Princess Margaret Hospital-University Health Network and Odette Cancer Centre-Sunnybrook Health Sciences Centre. Both centres continued with upgrading of state-of-the-art radiation planning and treatment machines and information systems. Despite the economic downturn, the radiation program at the two sites continued to benefit from strong philanthropic support by the respective hospital foundations.

The Department continued to foster its regional leadership in research and cancer care with multiple provincial partners including the Southlake Hospital, Royal Victoria Hospital, Credit Valley Hospital and the Molecular Medicine Research Centre at the Thunder Bay Regional Health Sciences Centre. Dr. Padraig Warde was appointed the Head of the Provincial Radiation Treatment Program of Cancer Care Ontario. The Department continued to provide educational and clinical support to an expanding list of academic and community hospitals both within and outside the Toronto Central LHIN.

Dr. Peter O'Brien retired after a long and illustrious career as Head of Medical Physics at Odette Cancer Centre. We bid farewell to Dr. Juanita Crook who moved to Kelowna to pursue other career interests after building an internationally renowned prostate brachytherapy program at Princess Margaret Hospital.

The academic activities of the Department continue to grow and renew with a number of successful recruits in all three disciplines, Radiation Oncology, Physics and Radiotherapy. New appointments in 08-09 included: Dr. Deidre Batchelar, Assistant Professor; Dr. Marco Carlone, Assistant Professor; Dr. Hans Chung, Assistant Professor; Dr. Catherine Coolens, Assistant Professor; Dr. Saibishkumar Elantholi Parameswaran, Assistant Professor; Anna Kirilova, Assistant Professor; Dr. Daniel Létourneau, Assistant Professor; Dr. Patricia Lindsay, Assistant Professor; Dr. Miller MacPherson, Assistant Professor; and Dr. Danny Vesprini, Assistant Professor.

Congratulations are in order to Drs. Andrea Bezjak, Robert Bristow, Edward Chow and Michael Milosevic who were promoted to the rank of Professor, and Drs. Cynthia Menard, Michael Sharpe and Yee Ung to the rank of Associate Professor.



## **Academic Programs**

Dr. David Jaffray

The rapid pace of innovation in the field of Radiation Oncology shows no evidence of slowing. Advances in technology and our understanding of the biological basis of radiation response suggest that the field is fertile for further improvements in the therapeutic ratio. Fortunately, we have had a number of young and eager minds join our faculty in the past year and the quality of applicants applying to our residency and fellowship programs suggests that there will be more joining in the future. The department has had many successes over the past year including the addition of a CCO research chair in the domain of Radiation Oncology (Dr. Gregory Czarnota), the successful funding of the Hypoxia program project grant from the NCIC Terry Fox Program, and numerous operating grants from the CIHR, NCIC, and the OICR. Overall, our grant funding is holding strong with more of our faculty being successful in peer-reviewed grant funding. The department has developed into a rich mosaic of interdisciplinary teaching and research in the domain of radiation oncology.

A department of this scale is poised to tackle the major questions in Radiation Oncology - issues of technology assessment, adoption of adaptive methods, optimization of combined modality therapy, the role of heavy ions, and the potential for integration of repair/regeneration strategies come to mind. We are also well positioned to advance education programs on the many topics of which we have demonstrated skill. Previous success in teaching of Radiobiology, IGRT, and IMRT could easily be extended to developing areas, such as, MR in Radiation Oncology or the use of pre-clinical imaging in radiation research. The development of the professional masters and the physics residency program in the Department highlight yet another dimension in which we have grown and can grow further. With so much potential, it is timely to take inventory and reflect on where we should go collectively with this collaboration. The fall of 2009 will see us embark on a strategic planning process for the department and I invite you to engage in this activity and help set the course for Radiation Oncology in Toronto and beyond.

## Faculty

### Radiation Oncology

#### Professor

James Brierley  
Pamela Catton  
Bernard Cummings  
Anthony Fyles

Mary Gospodarowicz  
Fei-Fei Liu  
Brian O'Sullivan  
Jean-Philippe Pignol

Gillian Thomas  
Richard Tsang  
Padraig Warde  
Shun Wong

#### Associate Professor

Ida Ackerman  
Andrea Bezjak  
Robert Bristow  
Charles Catton  
Edward Chow  
Cyril Danjoux  
Laura Dawson

David Hodgson  
Normand Laperrriere  
Andrew Loblaw  
Robert G. MacKenzie  
Michael Milosevic  
Lawrence F. Paszat  
David Payne

Eileen Rakovitch  
Jolie Ringash  
Rebecca Wong

#### Assistant Professor

Judith Balogh  
Lisa Barbera  
Elizabeth Barnes  
Andrew J. Bayley  
Anthony Brade  
Patrick Cheung  
John Cho  
Hans Chung  
Peter Chung  
Gregory Czarnota  
Phillip Davey

Robert E. Dinniwell  
Mary A. Doherty  
Saibishkumar Elantholi  
Parameswaran  
Andrew J. Hope  
John Kim  
Anne Koch  
Wilfred Levin  
Cynthia Menard  
Lee A. Manchul  
Michael McLean

Barbara-Ann Millar  
Gerard Morton  
Ian Poon  
Arjun Sahgal  
Alex Sun  
Ewa Szumacher  
May Tsao  
Yee Ung  
Danny Vesprini  
John Waldron  
Woodrow Wells

#### Lecturer

Jacqueline Spayne

#### Adjunct

Thomas McGowan

### Radiation Physics

#### Professor

David Jaffray

John Rowlands

**Assistant Professor**

Hamideh Alasti  
 Deidre Batchelar  
 Jean-Pierre Bissonnette  
 Stephen L. Breen  
 Kristy K. Brock  
 Marco Carlone  
 Young-Bin Cho  
 James Chow

Catherine Coolens  
 Timothy Craig  
 Mostafa Heydarian  
 Mohammad Islam  
 Harald Keller  
 Daniel Letourneau  
 Patricia Lindsay  
 Miller MacPherson

Katherine Mah  
 Howard Michaels  
 Douglas Moseley  
 Geordi Pang  
 Thomas Purdie  
 Michael Sharpe  
 Collins Yeboah  
 Ivan Yeung

**Lecturer**

David Beachey

Robert Heaton

Alexander Lightstone

**Radiation Therapy****Assistant Professor**

Carol Gillies  
 Lori Holden

Tara Rosewall  
 Douglass Vines

**Lecturer**

Amanda Bolderston  
 Lisa DiProspero  
 Cynthia Eccles  
 Nicole Harnett

Sophie Huang  
 Valerie Kelly  
 Anna Kirilova  
 Karen A. Moline

Cathryne Palmer  
 Emily Sinclair

**Instructor**

Ruth Barker  
 Renate Bradley  
 Angela Cashell  
 Martin Chai

Patricia Charman  
 Fiona Cherryman  
 Marta Evans  
 Wendy Flanagan

Jane Higgins  
 Kari Osmar  
 Marc Potvin  
 Aisha Sheikh

**Biology****Professor**

Bradly G. Wouters

**Assistant Professor**

Allison Brown

Marianne Koritzinsky

**Education****Associate Professor**

Joyce Nyhof-Young

**Assistant Professor**

David Wiljer



## **Administrative Staff**

Administrative Manager  
Business Officer  
Departmental Secretary

Effie Slapnicar  
Telma Liu  
Rosa Da Silva

## **Administrative Coordinators**

Resident Training Program  
Physics Residency in Radiation Oncology  
Fellows

Kim O'Hearn  
Wanita Lambert  
Elena Gessas

## **Medical Radiation Sciences Program**

Associate Registrar  
Student Services Officer  
Administrative Assistant

Jeremy Kwan  
Humberto Rocha  
Tanya Webb

## **Department of Radiation Oncology Committees**

### **Executive Committee**

Mary Gospodarowicz (Chair)  
Pamela Catton  
Peter Chung  
Anthony Fyles  
David Jaffray  
Fei-Fei Liu  
Nicole Harnett  
Barbara-Ann Millar  
Peter O'Brien  
Cathryne Palmer  
John Rowlands  
Jacqueline Spayne  
Padraig Warde  
Shun Wong  
Effie Slapnicar (Ex-officio)

### **Finance Committee**

Pam Catton (Chair)  
Mary Gospodarowicz  
David Jaffray  
Shun Wong  
Telma Liu (Ex-officio)  
Effie Slapnicar (Ex-officio)

### **Appointments Committee**

Shun Wong (Chair)  
Pam Catton  
Anthony Fyles  
Mary Gospodarowicz  
John Rowlands  
Gillian Thomas  
Padraig Warde  
Effie Slapnicar (Ex-officio)

## **Academic Communications Committee**

Anthony Brade (Chair)  
Gaurav Bahl  
Kristy Brock  
Greg Czarnota  
Rosa da Silva  
Sten Myrenhaug  
Kim O'Hearn  
Effie Slapnicar  
Danny Vesprini  
Tanya Webb

## **Academic Promotions Committee**

Shun Wong (Chair)  
Pam Catton  
Anthony Fyles  
Mary Gospodarowicz  
David Jaffray  
John Rowlands  
Gillian Thomas  
Padraig Warde  
Effie Slapnicar (Ex-officio)

## **Research Advisory Committee**

Anthony Fyles (Chair)  
Charles Catton  
David Jaffray  
Andrew Loblaw  
Fei-Fei Liu  
Michael Milosevic  
John Rowlands

## **Teaching Effectiveness Committee**

Pam Catton (Chair)  
Ida Ackerman  
Jean-Pierre Bissonnette  
Cathryne Palmer

## **Education Committees**

### **Undergraduate Medical Education Committee**

May Tsao (Chair)  
Joyce Nyhof-Young  
Lee Manchul  
Ewa Szumacher  
Woodrow Wells

## **Postgraduate Medical Education Committee**

Barbara-Ann Millar (Chair)  
Ida Ackerman (Interim Chair)  
Sadia Ali  
Ameen Al-Omair  
Gaurav Bahl  
Jean-Pierre Bissonnette  
Elisa Chan  
Louis Fenkell  
Matthew Follwell  
Meredith Giuliani  
Eugene Hong  
Harold Kellar  
Eric Leung  
Karen Lim  
Mike Milosevic  
Sten Myrenhaug  
Kim O'Hearn  
Sarah Rauth  
Ewa Szumacher  
May Tsao  
Woodrow Wells  
Rebecca Wong

## **Fellowship Committee**

Charles Catton (Chair)  
Andrea Bezjak  
Gregory Czarnota  
Anthony Fyles  
Mary Gospodarowicz  
Michael Milosevic  
Gerard Morton  
Padraig Warde  
Shun Wong  
Effie Slapnicar (Ex-officio)



## **Department of Radiation Oncology Representation On University of Toronto Committees**

### **Catton, P**

Faculty of Medicine Education Committee, Member  
Institute of Medical Science, Admissions Committee, Member

### **Gospodarowicz, M**

Clinical Chairs Committee, Faculty of Medicine, Member  
Clinical and Basic Science Chairs Committee, Faculty of Medicine, Member  
Clinical Relations Committee, Faculty of Medicine, Member  
Council of Health Sciences Committee, Faculty of Medicine, Member

### **Harnett, N**

Curriculum Committee, Institute of Medical Science, Member  
Admissions Committee, Institute of Medical Science, Member  
Faculty Council, Faculty of Medicine, Member

### **Manchul, L**

Continuing Education and Faculty Development Committee, Faculty of Medicine Faculty Council, Chair  
Agenda Committee, Faculty of Medicine Faculty Council, Member

### **Nyhof-Young, J**

Dean's Advisory Committee for Equity and Diversity, Member  
Faculty Research Grants Committee (Clinical/Public Health Section), Faculty of Medicine, Member

### **Ringash, J**

Academic Board of the Governing Council, Member  
Faculty of Medicine Faculty Council, Member  
Clinical Epidemiology, Department of Health Policy, Management and Evaluation, Associate Programme Director  
Curriculum Committee, Department of Health Policy, Management and Evaluation, Member  
Faculty Committee, Department of Health Policy, Management and Evaluation, Member  
Clinical Epidemiology Institute (CME event) Committee, Department of Health Policy, Management and Evaluation, Member

## **Clinical Programs**

### **Princess Margaret Hospital**

Dr. Pdraig Warde

The Princess Margaret Hospital Radiation Medicine Program (RMP) is one of the largest in the world. With modern facilities equipped with 16 linear accelerators, all IMRT and IGRT enabled, Leksell Gamma Knife 4C and Perfexxion, HDR and PDR brachytherapy programs, it is capable to handle most radiation therapy challenges.

The clinical expertise spans all cancer sites with large breast, lung, genitourinary, upper and lower gastrointestinal, gynecologic, head and neck, central nervous system, ocular, lymphoma, sarcoma, skin, endocrine and pediatric radiation oncology groups. In 2008 – 2009, PMH RMP continued to expand its clinical and academic programs. RMP faculty provided consultations in many collaborating institutions including St Michael's and St. Joseph's Hospitals in Toronto and the Southlake Cancer Centre in Newmarket.

The staff is involved in broad scope of research programs from basic cancer biology research, translational research program, large clinical trials program, and significant health services research portfolio. Last year witnessed continued expansion of translational research conducted in newly opened STTARR. The STTARR research programs, [www.sttarr.ca](http://www.sttarr.ca), foster collaboration and interdisciplinary research.

In recognition of compassionate and outstanding care at the Princess Margaret Hospital, Dr. Wilfred Levin received the Gerald Kirsh Humanitarian Award.

We are especially proud of the expanding research initiatives conducted by PMH radiation therapists, the largest such program in the country and one of the largest internationally.

RMP PMH leadership extends well beyond radiation oncology and Toronto. Dr Pdraig Warde has been appointed as Provincial Head, Radiation Treatment Program at Cancer Care Ontario. Dr. Marco Carlone was appointed chair of Science and Education Council of the Canadian Organisation of Physicists in Medicine (COMP). Drs. Ivan Yeung and Miller MacPherson have been appointed at the clinical physics leads in Southlake and Credit Valley Cancer Centres respectively. Dr. Jim Brierley has been appointed as chair of the National Staging Advisory Committee of the Canadian Partnership against Cancer.

The ongoing partnership with the Aviano Cancer Centre in Italy saw faculty from Italy visit PMH and presentations by RMP staff at the Aviano Cancer Centre's "Highlights in Oncology" meeting in Pordenone in February 2009.

## **Toronto-Sunnybrook Regional Cancer Centre**

Dr. Shun Wong

The past twelve months have witnessed continuing growth of the clinical, research and educational activities of the Radiation Treatment Program at Sunnybrook Health Sciences Centre - Odette Cancer Centre. Over 6200 new radiation oncology patients were seen in academic year 08-09, and about 100,000 fractions of radiation treatment were delivered. Upgrades to the existing clinical infrastructure continued. The clinical operations of the Program became fully electronic and paperless in June 2009. New linacs added capacity to IGRT utilizing kV cone beam CT. Many other specialized programs including tomotherapy, stereotactic radiation therapy (body and head) and brachytherapy continued to expand. Dosimetry moved to a newly renovated suite with significant ergonomic improvement for the staff. Renovation began for a 3T MRI research program in collaboration with Imaging Research at Sunnybrook. The Radiation Treatment Program continued to benefit from philanthropic support from The Sunnybrook Foundation.

Dr. Hans Chung and Dr. Danny Vesprini were appointed to the Department, and three additional radiation oncologists were successfully recruited to start over the next two academic years. Dr. Peter O'Brien retired as Head of Medical Physics after over 30 years of service. His leadership will be deeply missed.

The Program continued to foster its regional leadership role in cancer care. In addition co-managing the temporary radiation treatment facility at the Royal Victoria Hospital (RVH), Radiation Oncologists continued to participate in peripheral clinics and multidisciplinary cancer conferences at a large number of community hospitals both within and outside of the Toronto Central LIHN.

Faculty members continued to be successful in securing a external peer-reviewed and industry supported grants. Dr. Gregory Czarnota was awarded a Cancer Care Ontario Research Chair. These research grants and awards are detailed elsewhere in the annual report. Last but not least, members of the Department garnered three Cancer Care Ontario Innovation Awards.

## Education Report

In 2008-2009, the UT DRO continued its strong commitment to quality health professional education and research training. As a result, a number of important Departmental initiatives came to fruition.

Initiatives in Continuing Medical Education included partnering with Princess Margaret Hospital and Cancer Care Ontario (CCO) to offer larger and more innovative collaborative events and expand the program of interprofessional radiation medicine education events offered. In order to meet provincial practice needs in the field of intensity modulated radiation therapy (IMRT), a two-day education course in IMRT was offered externally to radiation medicine professionals from across Ontario. Dr. Michael Sharpe was awarded an educational grant by CCO to lead this initiative.

A clinical education partnership is in development with the Southlake Regional Health Center in Newmarket and the McLaughlin Durham Regional Cancer Centre in Oshawa. Moreover the Department is actively working with Ryerson University to form linkages with Physics education and training in support of several of our education programs.

At the graduate level, the Department is committed to adhering to a standard of excellence and cutting edge innovation. It is also recognized that course delivery methods need to become more flexible to reach the working professional. This year the Radiobiology Course was delivered in a condensed format, as a prelude to making our training programs more accessible to practitioners, residents and graduate students across the country. Plans to develop technology assisted courses are in the works.

Dr. Peter O'Brien retired as Program Director of the Medical Physics Residency Program and the role has been filled by Dr. Jean-Pierre Bissonnette. Now in its second year, the program had eight Physics Residents and expects to have ten in 2009-2010.

The outstanding leadership and teaching abilities of several members of the Department were acknowledged through prestigious awards. Dr. Robert Bristow received the 2009 Faculty of Medicine "Excellence in Postgraduate Medical Education Award" in recognition of his achievements in Teaching and Performance, Mentorship and Advocacy. Dr. Meredith Giuliani, PGY2 won one of only two Postgraduate Medical Education (PGME) "Trainee Leadership Awards", introduced this year by the Faculty of Medicine; the nominees were from across all programs of the University of Toronto. Dr. Michael B. Sharpe presented a refresher course at the Radiological Society of North America's 2008 Annual Meeting and Scientific Assembly entitled: "Multimodality Image Integration". Only a select group of radiologists are invited to contribute to the continuing professional development of their colleagues at this annual meeting which was attended this year by over 27,427 professional registrants representing 95 countries.

## Graduate Education

The UT DRO has made a substantial commitment to research training in Radiation Medicine by developing collaborative programs within the Faculty of Medicine's Graduate Institute: the Institute of Medical Science, supporting graduate training in other Departments i.e. Health Policy, Management and Evaluation (HPME) and Medical Biophysics, and by supervising graduate students from a variety of programs in within and outside the University of Toronto.

### UT DRO Graduate Training Initiatives at the University of Toronto

#### UT DRO and Institute of Medical Science

Graduate Program Director – Nicole Harnett

#### Research Stream

The UT DRO has established a collaborative relationship with the Institute of Medical Science in developing graduate research training opportunities in radiation medicine via the Radiation Oncology Stream. Eligible Trainees in all three radiation medicine professional programs can apply to the MSc or PhD program to be supervised by UT DRO Faculty who have graduate appointments.

In 2008-2009 the following UT DRO graduate students were enrolled in the MSc/PhD stream in the Institute for Medical Sciences:

Name	Degree	Thesis Supervisor
Chan, Phillip	MSc	Fyles, A.
Dinniwell, Robert	MSc	Milosevic, M.
Franks, Kevin	MSc	Jaffray, D.
Koh, Eng-Siew	MSc	Catton P.
Case, Robert	MSc	Dawson, L.
Lim, Karen	MSc	Milosevic, M.
Mehdizadeh, Hany	MSc	Siewerdsen, J.
Amaral, Joao	MSc	Roberts, T.
Chopra, Supriya	MSc	Menard, C.
Chung, Caroline	MSc	Menard, C.
McArdle, Orla	MSc	Hodgson, D.
Taremi, Mogan	MSc	Bezjak, A.

Three graduate courses were offered in IMS to support this graduate program:

*MSC1500H - Advanced Radiotherapy and Medical Physics*  
Dr. Jean-Philippe Pignol, Supervisor

*MSC1501H - Frontiers in Radiation Medicine Research*  
Dr. Robert Bristow and Dr. Bradly Wouters, Supervisors

*MSC1502H - Translational Radiobiology Applied to Radiation Science*  
Dr. Jeffrey H. Siewerdsen, Supervisor

### **Professional Stream - MHSc Medical Radiation Sciences**

In 2008 a new professional masters degree program - MHSc Medical Radiation Sciences was approved. There were no students registered for the 2008-2009 academic year but the program has selected the intake class for 2009-2010. Course development is underway.

### **EIRR 21 Research Training Program**

Program Director Dr. Fei-Fei Liu

#### *Introduction*

The EIRR 21 research training program is a CIHR funded initiative designed to provide enhanced training opportunities to develop a new cadre of transdisciplinary scientists.

#### *Participants*

The trainees currently fully enrolled in the Program in 2008-2009 include:

<b>Trainee</b>	<b>Status</b>	<b>Supervisor(s)</b>
Bassi, Christian	MSc	Stambolic, V.
Chopra, Supriya	MD-MSc	Menard, C.
Harding, Shane	PhD	Bristow, R.
How, Christine	PhD	Liu, F-F.
Lakshman, Minalini	PDF	Bristow, R.
Lee, Justin	MD-MSc	Czarnota, G.
Lee, Mark	MD-MSc	Dawson, L.
Lim, Karen	MD-MSc	Fyles, A. / Milosevic, M.
O'Donnell, Lara	PDF	Durocher, D.
Shirodkar, Purnata	MSc	Koch, A.
Stewart, Kelly	PhD	Kelley, S.
Taghibakhsh, Farhad,	PDF	Rowlands, J.

#### *Structure of program*

EIRR21 continues to expand, with the current cohort of 12 active trainees, in addition to 12 alumni (Table 1), and 15 full graduates. Many of these graduates hold academic positions in Canada and Europe, as either clinician-scientists, research physicists, post-doctoral fellows in research, or careers in the biotechnology industry. Hence, all alumni (100%) are contributing to biomedical research in some capacity, either within Canada or globally.

From the group of the current 24 trainees, 12 have completed their full 2 years within EIRR21, but are still active participants because they find the Brainstorm sessions of particular value. The remaining 12 active trainees all currently hail from the University of Toronto. With the most recent competition (December 2007), we successfully recruited 4 MD trainees, which addresses an area of need in our program.

### *Academic output*

The spectrum of research in EIRR21 continues to be broad, ranging from *in vitro* understanding of basic molecular mediators of radiation damage response and repair, to complex *in vivo* models of radiation-induced lung injury, novel radiopharmaceuticals for therapy and imaging human tumour models, to optimizing radiation treatment delivery to lung, cervix, and liver cancer patients, and discovering biomarkers for prostate cancer patient radiation response and toxicity. Such a breadth of research topics, embedded within a single research training program is truly unique, providing an outstanding network for interdisciplinary interactions, enabling “bridging” science to be conducted.

The publication record from the EIRR21 trainees continues to be exceptional. In terms of quantity of publications, there are a total of 94 (published or in press) publications, contributed by 26 trainees, for an average of 3.6 papers per trainee, which is an impressive feat, given that the average duration for each trainee in EIRR21 is only approximately 2 years. In addition, several are in high impact cancer Journals, including *Science*, *Curr Biol*, *Mol Cell*, *J Clin Oncol*, *Mol Cell Biol*, *Cancer Res*, *Cl Cancer Res*, *Nucl Acid Res*, *J Cell Biol*, hence, both the quantity and quality of research are remarkable. For the second year in a row, Dr. Nadine Kolas, an EIRR21 alumnus (supervisor Dr. Daniel Durocher), was the recipient of the highly coveted John Charles Polanyi Prize from the Ontario Government, targeting researchers in the early stages of their careers who are continuing post-doctoral studies in Ontario.

### *Special activity this year*

The 2008 Excellence in Radiation Research for the 21st Century (EIRR21) Research Day took place Monday afternoon, June 9th, 2008. This year, the format was comprised of two Presentation and Discussion Sessions. The first session, entitled “Applied Molecular Biology to Radiation Response” was chaired by Dr. Bradly Wouters, with selected oral presentations from Dr. Paul Boutros (Medical Biophysics), Danny Costantini (Pharmaceutical Sciences), Dr. Nadine Kolas (Molecular Genetics), and Kelly Stewart (Biochemistry). Following their presentations, these four EIRR21 trainees constituted a panel, discussing the challenges of how their science could be applied to improve radiation response of cancer patients.

The second session, entitled “Imaging and Physics Challenges for Radiation Therapy” was chaired by Dr. David Jaffray, with oral presentations by Jinzi Zheng (Medical Biophysics), Dr. Justin Lee (Medical Biophysics/UT-DRO), Dr. Naomi Matsuura (Medical Biophysics), and Dr. Karen Lim (IMS/UT-DRO), with their presentations addressing how their sciences could improve radiation therapy outcome for cancer patients. The content of the afternoon’s presentations and discussions will be formulated into a position paper on “Future Research Challenges for Radiation Medicine”.

There was also a poster competition, with a First Prize awarded to David Katz (supervisor Dr. Fei-Fei Liu), and shared Second Prizes to Kristin McLarty (supervisor Dr. Raymond Reilly), and Michelle Li (supervisor Dr. Brent Derry).

## **Medical Education**

### **Undergraduate Medical Education**

Program Director: Dr. May Tsao

Associate Program Director: Dr. Joyce Nyhof-Young

#### *Introduction*

The UT DRO not only supports the Faculty of Medicine Undergraduate Medical Education curriculum, but is also committed to support the needs of individual medical students throughout the country and abroad as they seek knowledge and experiences in Radiation Oncology. These experiences are primarily offered as electives, observerships and research attachments.

#### *Structure of program*

The Department of Radiation Oncology continued to provide teaching to pre-clerkship (years 1 and 2) and clerkship (years 3 and 4) medical students. Pre-clerkship teaching included teaching students in the Determinants of Community Health (DOCH) II course and providing lectures and seminars for the Pathobiology of Disease course.

Eighteen University of Toronto electives, eighteen visiting electives, seventeen observership's, six Ambulatory Community Experience (ACE) students and nine Ivan Smith Scholarship awardees rotated through the Department of Radiation Oncology clinical practices at both Sunnybrook Health Sciences Centre - Odette Cancer Centre and Princess Margaret Hospital.

#### *Academic output*

The overall average teaching effectiveness score was 4.5 (out of 5) for Sunnybrook Health Sciences Centre - Odette Cancer Centre and Princess Margaret Hospital, meeting Departmental standards for "Excellent".

#### *Special activity this year*

An undergraduate medical education objectives package for the Department of Radiation Oncology at University of Toronto was developed during this academic year.

## **Postgraduate Medical Education**

### **Radiation Oncology Residency Program**

Program Director: Dr. Barbara Ann Millar

Associate Program Director and Acting Program Director: Ida Ackerman

Associate Program Director and Director Resident Research: Dr. Rebecca Wong

Associate Program Director: Dr. Woodrow Wells

#### *Introduction*

The Radiation Oncology Residency Program is a five year CARMS entry specialty training program fully accredited by the RCPSC. The goal of this radiation oncology program is to produce the academic clinical leadership of the future.



### *Participants*

The trainees currently enrolled include:

#### PGY1

Barrett, Kate  
Chiang, Andrew  
Conrad, Tatiana  
Hong, Eugene  
Khan, Luluel

#### PGY2

AlDuhaiby, Eman  
Caissie, Amanda  
Giuliani, Meredith  
Leung, Eric  
Marchand, Eve-Lyne  
Mohammed, Fazilat

#### PGY3

Ishkanian, Adrian  
Han, Kathy  
Chan, Elisa  
Al-Omair, Ameen

#### PGY4

Follwell, Matthew  
Myrehaug, Sten  
Soliman, Hany  
Yoon, Fred

#### PGY5

Kong, Iwa  
Fenkell, Louis  
Banihashemi, Behzad  
Liu, Stanley  
Rauth, Sarah

### *Structure of program*

The residency program is comprised of a series of clinical attachments primarily at two fully affiliated teaching hospitals associated with the UT DRO: the University Health Network and the Sunnybrook Health Science Centre and their respective cancer programs the Sunnybrook Health Sciences Centre - Odette Cancer Centre and the Princess Margaret Cancer Program. PGY1 and PGY2 are primarily off service rotations although the trainees do get some exposure and time in radiation oncology. Residents can also elect to do up to 6 months of research training as part of the program. The clinical program is supplemented by a rich academic milieu of rounds tumour boards, case conferences and visiting professorships at both institutions.

The clinical program is supplemented by formal teaching sessions and courses in the Academic Block (PGY1 and 2), the Academic Half-Day (all years) and PGY3 Applied Physics.

### Evaluations

- Written examinations in physics and radiobiology in PGY1 or PGY2
- OSCE's in PGY1 or PGY2
- Clinical Applied Physics Examination in PGY3's
- Radiation Treatment Planning Competency Examinations in PGY4 and PGY5
- Royal College Fellowship Certification Examinations at conclusion of program

### *Academic output*

Radiation Oncology Residents presented their research at the Postgraduate Education Research Day on May 9, 2009. There were 52 abstracts submitted for peer review by our physics trainees, radiation oncology fellows and radiation oncology residents. 5/17 oral presentations and 7 of 35 poster presentations were given by radiation oncology residents.

Dr. Adrian Ishkanian, PGY3, won the W.J. Simpson Award for Academic Excellence in Research by a Resident (Supervisor: Dr. Robert Bristow) for a second time.

Dr. Adrian Ishkanian also won the overall academic excellence award for the second year.

In addition, radiation oncology residents published 15 papers, 18 abstracts, received 12 awards, had 9 oral presentations and 5 posters presented at Canadian Association of Radiation Oncology (CARO), 1 oral presentation and 5 posters at American Society for Radiation Oncology (ASTRO), and two posters at *American Society of Clinical Oncology (ASCO)* and American Association for Cancer Research (AACR) respectively.

### *Special activity this year*

The Radiobiology Course was restructured this year under the leadership of Dr. Bradly Wouters and Dr. Robert Bristow and offered in a condensed format. Distinguished Professor Dr. Mike Joiner attended as visiting faculty for the 2009 course.

## **Residency Program in Radiation Oncology Physics**

Program Director: Dr. Jean-Pierre Bissonnette

Site Coordinators: Dr. Jean-Pierre Bissonnette (PMH); Dr. Milton Woo (OCC)

### *Introduction*

The Toronto Residency Program in Radiation Oncology Physics is an intensive two-year practical training program that prepares students to become future leaders in medical physics. Through clinical rotations, a research project in clinical physics and educational components, students are equipped with fundamental knowledge of the disciplines of radiation oncology and radiation therapy. Physics Residents learn to recognize, understand, and address scientific and technical problems by working directly with experienced radiation oncologists, radiation therapists and medical physicists.

The program had eight Physics Residents in 2008-2009 and expects to have ten in 2009-2010.

The Residency Program in Radiation Oncology Physics started in July 2007 by combining existing long-standing medical physics residency programs at the Princess Margaret Hospital and Sunnybrook Health Sciences Centre - Odette Cancer Centre. The goal of the joint program is to produce highly competent medical physicists who combine a comprehensive understanding of clinical radiation physics and specific knowledge of radiation therapy and radiation oncology principles and practice with enhanced leadership, research and teaching skills. On March 10, 2008, the program was accredited to the maximum of 3 years through the Committee on Accreditation of Medical Physics Education Programs (CAMPEP).

The trainees currently enrolled include (expected graduation date in parenthesis)

Karotki, Alex (September, 2009)  
McNiven, Andrea (September, 2009)  
McCann, Claire (January, 2010)  
Rink, Alexandra (January, 2010)  
Leavens, Claudia (maternity leave)  
Ravi, Ananth (September 2011)  
Comsa, Daria (September 2011)

#### *Structure of the Program*

The program accepts applications from qualified and highly motivated candidates with a post-graduate degree in medical physics or a related discipline. Offers have been made to five candidates to enter the program in September 2010.

The minimum program length is 2 years and includes a mix of didactic instruction, clinical rotations and clinical projects. Each resident is assigned a mentor who acts as a guide throughout the program. During the first year the residents have didactic training in Radiation Biology, Radiation Safety, Clinical Radiation Physics and Dosimetry and the Principles of Treatment Planning. There are rotations in Instrumentation, Treatment Planning and Quality Management. In the second year there are rotations in Brachytherapy and Imaging Physics, Advanced Treatment Planning and a continuation of Quality Management. One distinguishing feature of the program is that residents interact with a multidisciplinary environment involving radiation oncologists and radiation therapists during parts the Academic Block, the Applied Physics tutorials and the Interdisciplinary Rotation that follows specific patients from first clinic to treatment.

#### *Evaluation*

Resident knowledge is evaluated at regular, topical resident question and answer sessions based upon the program syllabus. To complete the program the resident must successfully pass the Peer Review A oral examination, organized by a standing provincial committee of Cancer Care Ontario. Dr. Jean-Pierre Bissonnette is a member of the Peer Review A examination committee.

In October 2008, both candidates successfully passed their Peer Review A exams

#### *Academic output*

Throughout the 2-year program the resident is expected to work one or more clinical physics projects under the supervision of a staff medical physicist. The results of this work were presented as posters during the UT DRO Research Day and also as posters and oral presentations at the meetings of the Canadian Organization of Medical Physicists, and the American Association of Physicists in Medicine.

The winner of the 2009 J.R. Cunningham award for academic excellence in research by a medical physics resident was Dr. Andrea McNiven, supervisor Dr. Kristy Brock. As a result, Dr. McNiven also received a US\$1000 travel award from the American Association of Physicists in Medicine.

*Special activity this year*

In 2009, the program commenced an affiliation process with the RS McLaughlin Durham Regional Cancer Centre, leading to ten resident positions for 2009-2011.

## **Radiation Oncology Fellowship Program**

Program Director: Dr. Charles Catton

### *Introduction*

The UT DRO Fellowship Program is one of the largest and most successful radiation oncology fellowship programs in North America, attracting excellent candidates from around the world. It has two streams: a one-year clinical research program and a two-year research program. During the one-year Clinical Research Program, fellows acquire clinical expertise in one or two radiation oncology disease sites and complete a research project. The two-year Research Fellowship Program emphasizes training in the principles and conduct of scientific research. Fellows earn advanced degrees in a relevant department at the School of Graduate Studies at UT.

### *Participants*

#### **2008-2009 Fellows**

<b>2008-2009 Fellows</b>	<b>Country of Origin</b>	<b>Supervisor(s)</b>
Bahl, Gaurav	India	Hodgson, D. / Laperriere, N.
Cho Charles,	Canada	Dawson, L.
Chopra, Supriya	India	Ménard, C.
Chung, Caroline	Canada	Ménard, C. / Brade, A.
Chu, William	Canada	Czarnota, G. / Wong, S.
Clarke, Amanda	United Kingdom	Gospodarowicz, M.
Fitzpatrick, David	Ireland	Kim, J. / Brierley, J.
Forrest, Jennifer	United Kingdom	Thomas, G.
Goda, Jayant Sastri	India	Bristow, R.
Gómez-Iturriaga Piña, Alfonso	Spain	Crook, J.
Hoebbers, Frank	The Netherlands	Waldron J. / O'Sullivan, B.
Kassam, Zahra	United Kingdom	Gospodarowicz, M. / Ringash, J.
King, Bronwyn	Australia	Fyles, A. / Milosevic, M.
Lavoie, Caroline	Canada	Bezjak, A.
Lee, Justin	Canada	Czarnota, G.
Lee, Mark	Australia	Dawson, L.
Lim, Karen	Australia	Milosevic, M.
Mallick, Indranil	India	Waldron, J. / Kim, J.
McArdle, Orla	Ireland	Catton, P.
McCarty, Heather	Ireland	Levin, W.
Nikapota, Ashok	United Kingdom	O'Sullivan, B. / Waldron, J.
Patil, Nikhilesh	India	Chung, P. / Tsang, R.
Potter, Andrew	Australia	Wong, R.
Shaw, Mark	Australia	Catton, P. / Warde, P.
Stevens, Christiaan	Canada	Waldron, J.
Taremi, Mojgan	Canada	Bezjak, A.

Teh, Amy  
Wajstaub, Sandra

Australia  
Canada

Fyles, A.  
Catton, P.

### *Structure of the Program*

Fellows spend one or two years in a Research Fellowship or a Clinical Research Fellowship at either the Princess Margaret Cancer Program or the Sunnybrook Health Sciences Centre - Odette Cancer Centre. The foundation of the Research Fellowship is formal graduate training at a masters or doctoral level and requires the fellow to be accepted into graduate school. The UT DRO has developed a RO stream within the Institute of Medical Science as well as associations with the Departments of Medical Biophysics and Health Policy Management and Evaluation and the Ontario Institute for Studies in Education through UT DRO faculty cross appointments. The foundation of the Clinical Research Fellowship is practice-based experience and research supervision in the clinical and translational academic programs of the Department. This past year 28 Fellows were involved in the program at both sites, coming from Australia (6); Canada (8); India (5), Ireland (2), UK (5), Netherlands (1), Spain (1).

### *Academic output*

The quality of their research work has been internationally recognized. Two Fellows won travel awards to present their work, and another was a finalist for the 2009 IMS poster award. Four fellows won ASCO merit awards; one won a merit award at the 2008 San Antonio Breast Conference, and another at the American Brachytherapy Society meeting. A former Fellow, Dr. Stephen Supiot received a very prestigious award when he was named the 2009 ESTRO Varian-Juliana Denekamp winner for his work at UT DRO. Four Fellows received over \$248,000 in peer reviewed funding. Fellow research made a substantial contribution to the annual Postgraduate Research Day held in May, 2009. The winner of the 2009 RS Bush for Academic Excellence in Research by a Fellow was Dr. Andrew Potter, supervisor Dr.Rebecca Wong. A fellow was also the recipient of the Best Poster by a Postgraduate Trainee: Dr. Alfonzo Gomez-Iturriaga, supervisor Dr.Juanita Crook.

### Quality measures

Abstracts presented: 56

Manuscripts published: 7

Grants: PI (n=4) \$248,400

Awards: 2 International Travel Awards

4 ASCO Merit Awards

1 San Antonio Merit Award

1 ABS Merit Award

2009 ESTRO Varian-Juliana Denekamp Awardee.

## **Continuing Education**

Director: Dr. David Wiljer

### *Highlights*

This was a very successful year for UT DRO CE activities. Despite global economic challenges, there were modest increases in event attendance over last year. In addition, we had a 13% increase in sponsorship from our major events and a budget surplus for the first time in 5 years.

### *Leadership*

The Departmental CE activities were led by individual course directors, with oversight provided by Dr. David Wiljer. In addition, the CE Committee provided strategic direction throughout the 2008/9 year.

## **CEI<sup>3</sup> Core Curriculum**

The UT DRO CEI<sup>3</sup> is made up of a curriculum comprised of a fixed core of 3 annual elements including 1) UT DRO Rounds; 2), the Radiation Medicine Conference and 3) Target Insight, in addition to a variable program hosted by UT DRO faculty.

### **1) UT DRO Rounds**

Coordinator: Dr. Anthony Fyles

These twice a year symposia moderated by Dr. Anthony Fyles profile the academic programs of the UT DRO, share information and ideas between the two campuses, foster new research collaborations, and stimulate inquiry.

Our Fall symposia New Developments in Brachytherapy featured:

- Dr. Ranjan Sur (Faculty at McMaster University and Juraviniski Cancer Centre) - "Thoracic Brachytherapy Program at the Juraviniski Cancer Centre in Hamilton."
- Dr. Gerald Morton – Prostate high dose-rate brachytherapy research at the Odette Cancer Centre.
- Dr. Michael Milosevic - Image-guided brachytherapy in cervix cancer: Optimized treatment for individual patients.

Our Spring symposia Recent Studies Impacting Clinical Practice featured:

- Dr. Yee Ung - PET lung cancer clinical trials in Ontario: Translating evidence based medicine to impact clinical care.
- Dr. Arjun Sahgal - Implementing a Spine Stereotactic Body Radiotherapy Program at the University of Toronto.
- Dr. Miller MacPherson - Image-guided prostate radiotherapy without implanted fiducials.

## **6th Annual Toronto Radiation Medicine Conference**

March 6-7, 2009, The Old Mill, Toronto, Ontario

Course Directors: Amanda Bolderston and Tara Rosewell

Planning Committee: Amanda Bolderston, Tara Rosewall, Cathryne Palmer, Lisa DiProspero, Nicole Harnett, Ruth Barker, Angela Cashell, and Kathleen Conway.

137 people were present this year, including attendees and speakers from all over Canada, the United Kingdom and the United States.

This year's event featured a new research focus, partnering with the annual Radiation Therapist Research Symposium. Our scientific program included the results of research performed by therapists into professional practice, symptomology, imaging and IG-IMRT. The merging of these two events provided a wider variety of concurrent research presentations than in previous years, and allowed us to focus on this year's theme: "Inspire, Inquire, Innovate" reflecting the importance of using up-to-date evidence to inform and stimulate current clinical practice.

### *Keynote Speaker*

Our keynote speaker was Dr. John French, Director, Clinical Operations and Research for the British Columbia Cancer Agency and the Editor in Chief of the Journal of Medical Imaging and Radiation Sciences. Dr. French spoke about the importance of research in an emergent profession, and how the growth of the Radiation Therapy profession could be supported and enhanced.

Abstract submission award winners this year were:

Best Oral Presentation: Kitty Chan, Princess Margaret Hospital

The Role of a Combined Radiation / Research Therapist in an Interventional Magnetic Resonance Imaging (MRI) Research Project for Suspicion of Locally Recurrent Prostate Cancer after External Beam Radiotherapy.

Best Poster Presentation: Carol Agapito and Jaclyn Gouin, Windsor Regional Cancer Centre  
New Dosimetry Training Initiatives: Needs identification, development and implementation at the Windsor Regional Cancer Centre.

### *Highlights of Evaluations*

- 72% of attendees who completed the evaluations felt that the event would change their practice
- 82% of attendees who completed the evaluations said they plan to attend next year
- 99% of attendees who completed the evaluations said they would recommend the conference to others

## **Target Insight III Conference - "Next Generation Radiation Medicine: Putting Biology and Technology to Work"**

June 5-6, 2009: Sutton Place Hotel

Course Director: Dr. Anthony Fyles

Planning Committee: Dr. Robert Bristow, Dr. Philip Chan, Dr. Gregory Czarnota, Nicole Harnett, Mary Hooley, Dr. David Jaffray, Dr. Michael Milosevic, Dr. John Radwan, Dr. Yee Ung, Dr. David Wiljer and Dr. Shun Wong.

There were a total of 155 registrants with representation across Ontario, United States, United Kingdom and Australia.

The program provided an opportunity for participants to review and discuss novel imaging modalities and strategies for image guided and adaptive radiation therapy. Our five guest faculty keynote speakers covered a variety of topics including, "IMRT and Chemoradiation for Head and Neck Cancer: Pitfalls and Promises" by Dr. Rosenthal; "Image Guided Radiation Therapy for Nodal Radiation" by Dr. Tereffe; "Toward Treatment Individualization" by Dr. Parker who was named the Cancer Care Ontario Guest Lecturer and "Stem Cells in Central Nervous System Tumours" by Dr. Dirks. There were a total of 19 local faculty members who participated in this two day conference.

This continuing education event was accredited by the University of Toronto, Canadian Association of Medical Radiation Technologists and the Medical Dosimetrist Certification Board.

## **Other Continuing Education Activities**

### **Advanced Education Program (AEP)**

AEP now has two foundational courses: the IGRT and IMR Courses. Last November, the IGRT Education Course held its last session in a series of courses that began in October 2005, after 17 sessions, 500 attendees from all corners of the world. In addition, Cancer Care Ontario (CCO) has sponsored the development of an IMRT Education Course in partnership with PMH and UT DRO. The first 3 external sessions were held in October 2008, February and April 2009 and has hosted over 120 professionals thus far.

In addition, a research grant, entitled "From Education to Practice: Development of a Tool to Assess Change in Inter-professional Practice Behaviour and Performance through Continuing Education" (Wiljer, Harnett, Bissonette, Gillan, Kane, Catton), was short listed for the Philip Manning Research Grant in Continuing Medical Education award. However, no grant was awarded this year.

### **UT DRO Faculty in Continuing Education Leadership**

The UT DRO Director is playing an active role in the University of Toronto CE Office, attending the monthly CE Leadership Meeting as well as the Research in Continuing Education (RICE) quarterly meetings.



### *Leadership Positions*

Dr. Pamela Catton, Chair, Conference Planning Committee, Canadian Association of Radiation Oncology

Dr. Lee Manchul, Chair, UT Faculty Council Continuing Education and Professional Development Committee

Dr. Lee Manchul, Chair, CME Section, Northeast Group on Educational Affairs, Association of American Medical Colleges

Dr. David Wiljer, Member, Research Advisory Committee, Mayo National Consensus Conference on Continuing Education

## **Medical Radiation Sciences Program**

Academic Director: Dr. Pamela Catton

Academic Coordinator: Cathryne Palmer

### *Introduction*

The undergraduate Medical Radiation Sciences (MRS) Program is a second-century joint BSc/Diploma of health professional education program offered by UT DRO and the Michener Institute. This four year interprofessional degree is offered in three calendar years and is comprised of didactic, simulated and clinical courses. Three discipline specific streams are offered: Radiation Therapy, Radiological Technology, and Nuclear Medicine Technology. There were 385 students registered in 2008-2009. The MRS Program prepares students for tomorrow's professional practice, for future leadership roles and to pursue advanced graduate degrees.

### *Participants*

#### **2008-2009 MRS Students**

Adams, Alexander  
Adams, Evan  
Adem, Finte  
Ahmed, Farrah  
Ahmed, Sabreena  
Ajodha, Shannon  
Akhter, Hina  
Aleksi, Gentiana  
Allanigue, Gayle  
Alsibai, Hiba  
Andani, Salmaan  
Andrews, Kayla  
Arrosa, Sebastian  
Atwal, Sandeep  
Au, Calvin  
Aulakh, Mehma  
Austin, Jenna  
Avansi, Artin

Bach, Tam  
Badiuk, Stacey  
Banga, Tarndeeep  
Barantseva, Anna  
Barker, Marisa  
Barradas, Karen  
Barrette, Justin  
Bhatia, Aditya  
Bhatti, Michael  
Biernaski, Heather  
Blair, Leslie  
Bodnar, Calli  
Bonnar, Carolyn  
Bourque, Jennifer  
Bowen, Andre  
Boyer, Jessica  
Bracken, Allison  
Breeze, Carole

Brooks, Sarah  
Brothers, Nadine  
Bryant, Kirsten  
Bu, Hong  
Bukator, Michelle  
Burgess, Amy  
Butt, Faria  
Butt, Iram  
Cai, Yong  
Campbell, Marie  
Celinski, Anders  
Chalas, Peter  
Chambers, Samantha  
Chan, Angie  
Chan, Carey  
Chan, Crystal  
Chan, Elena  
Chan, Matthew

Chan, Queenie  
Chan, Rosanna  
Chan, Selig  
Chan, Tammy  
Chandrarajan, Shaline  
Chang, Wing Hei  
Charles, Sarann  
Chau, Jessica  
Chau, Joanna  
Chaudhry, Hamza  
Chee Hing, Stefanie  
Chen, Duoduo  
Chen, Feng  
Chen, Susan  
Chernets, Christopher  
Cheung, Rebecca  
Chheng, Savin  
Chiasson, Ciana  
Chisholm, John  
Chiu, Eveline  
Choi, Chonguk  
Choo, Enoch  
Chow, Anna  
Chow, Herman  
Chow, Raymond  
Chow, Steven  
Choy, Fiona  
Chui, Derek  
Chung, Kevin  
Chung, Sheena  
Chung, Stephanie  
Coates, Kristy  
Coelho, Ruvette  
Cole, Colin  
Cometa, Yvette  
Crowe, Brandon  
Croy, Charles  
Cruz, Christopher  
Culhane, Julia  
Daly, Stephanie  
De Souza, Ryan  
DeGiobbi, Jennifer  
Desai, Ashka  
Dhoot, Raman  
Di Lullo, Stefanie  
Di Tommaso, Natalie  
Divadalage, Nisal  
Dunaevsky, Alexander

Duong, Sandra-Mac  
El-Khazen, Sandra  
Espinoza, Frank  
Ezati, Parissa  
Ferreira, Marlene  
Fong, Stephen  
Frazer, Jennifer  
Galeano, Angelica  
Gandhi, Riddhi  
Gandhi, Shalmali  
Ganesh, Tameshwar  
Gareri, Sara  
Garofolo, Mikki  
Gebiso, Surafale  
Ghazi, Sana  
Giannotti, Michelle  
Gohil, Neekita  
Goyal, Rachita  
Grise, Anne-Marie  
Haden, Kristin  
Hall, Gillian  
Hamed, Eman  
Hamed, Mahmoud  
Hamid, Cindy  
Haq, Syed Iftekhar  
Hartwick, Michael  
Hassan Gendil, Heba  
Hawes, Jennifer  
Hazell, Ryan  
Heal, Alison  
Hill, Carrie  
Ho, Chun Hang  
Ho, Crystal  
Hoang, Thao  
Holland, Jennifer  
Hong, Tony  
Hospattankar, Roshan  
Hrushch, Marina  
Hsiung, Li  
Hui, Angela  
Hum, Stephanie  
Ibrahim, Nevin  
Irwin, Kaitlyn  
Islam, Ummekawsar  
Jama, Ali  
Jamal, Meher  
Javed, Samina  
Joutsiniemi, Tara

Kangas, Jessica  
Kaur, Rajbir  
Kaushal, Rishika  
Kauss, Emilie  
Kelly, Sara Lynn Holly  
Kerstens, Taya  
Keum, Mi-Hyun  
Khalfan, Fatima  
Khalid, Yasir  
Killow, Joanne  
Kilpatrick, Marlene  
Kim, Anna  
Kim, David  
Kim, Suyeon  
Knights, Cheryl  
Kong, Franco  
Koonstra, Kelly  
Kuganantharajah,  
Giruthiga  
Kung, Tommy  
Kwan, Derrick  
Kwong, Christopher  
Kwong, Grace  
Lad, Sonal  
Ladouceur, Benoit  
Lam, Cheung  
Lam, Kimberly  
Lam, Max  
Lam, Shirley  
Lang, Nicole  
Lau, Amy  
Lau, Jennifer  
Law, Ho Man  
Le, Ken  
Le Roux, Stacey  
LeBlanc, Marc  
Lee, Emily  
Lee, Ivy  
Lee, Jiwon  
Lee, Ka Yee  
Lee, Victoria  
Lee, William  
Lei, Daniel  
Lei, Virginia  
Lepine, Pamela  
Leung, Alice  
Leung, Kelly  
Leung, Sandra

Lewis, Meghan  
Li, Carol  
Li, Frances  
Li, Karla  
Li, Yan  
Li, Yan  
Liang, Gloria Zhengning  
Liavas, George  
Lin, Chin-Hsu  
Lin, Qi  
Lin, Xiao Lu  
Linay, Jarred  
Liu, Yan Mei  
Luo, Wen Min  
Lusty, Amy  
Luu, Kim  
Luu, Sidney  
Luy, Winnie  
Mac, Sandra  
Macaulay, Robyn  
MacDonald, Jenna  
Mach, Anna  
Maclaughlin, Jamie  
MacPherson, Karen  
Maftei, Luminita  
Mahabir, Aruna  
Maiwand, Iqbal  
Makela, Ashley  
Man, Shei-Yee  
Mansfield, Caitlin  
Marchand, Joshua  
Marrone, Amanda  
Marson, Steven  
Matthew, Natalia  
Mattonen, Sarah  
Mayo, Christopher  
Mazhar, Komal  
McAloney, David  
McDougall, Kerri  
Mcquillan, Richard  
Medeiros, Kevin  
Mella, Jonathan  
Mellor, Catherine  
Messner, Erica  
Michalak, Adam  
Mirza, Sana  
Mistry, Dipan  
Moaveni, Parisa

Mohamed, Sabena  
Mohamed Ibrahim,  
Shukri  
Mohamoud, Gulaid  
Mohd Naem, Azada  
Mok, Lillian  
Moobed, Shideh  
Moolla, Nabeel  
Moore, Ilyssa  
Morrison, Felicia  
Mottershead, Megan  
Moy, Jenny  
Muca, Denisa  
Muhammad, Autif  
Muneeb, Hira  
Munir, Nosheen  
Murphy, Kristina  
Nagulan, Nilany  
Ng, Christopher  
Ng, Jennifer  
Nguy, Karen  
Noronha, Marissa  
Nowbahari Seysan,  
Niusha  
O'Brien, Bridgid  
Omarkhail, Muhammad  
Ong, Belen  
Orzolek, Evelyn  
Oteiza, Nicolas  
Ouellette, Amanda  
Owens, Lesley  
Padiachy, Melanie  
Pang, Jonathan  
Patel, Bharat  
Patel, Hiral  
Pau, Alexander  
Pawson, Ashley  
Peden, Lisa  
Penney, Catherine  
Peters, Lisa  
Pineda, Danilo  
Poon, Debbie  
Price, Shannon  
Quinn, Patrick  
Ramnarine, Marie  
Rankin, Jolene  
Rego, Julie  
Rochefford, Matthew

Rodrigo, Savani  
Ross, Laura  
Ryan, Lynsay  
Sadikali, Zahir  
Saffie, Musheer  
Sajjad, Fareeha  
Samim, Manija  
San Diego, Trisha  
San Miguel, John  
Savelberg, Mary  
Schwietz, Matthew  
Shaikh, Shaima  
Sharma, Ankur  
Sherazi, Shahla  
Shi, Jimmy  
Singh, Jaspreet  
Sirisegaram, Abby  
Smith, Graham  
Smith, Kevin  
Somerleigh, Erin  
Soulliere, Amie  
Stephenson, Kelly  
Strilchuk, Briana  
Surendra, Vejitha  
Suzal, Tore  
Taher, Mohammad  
Tan, Josephine  
Tan, Stephanie K  
Tang, Linda  
Tariq, Mehwish  
Teixeira, Elizabeth  
Tharmarajah, Sharmila  
Thompson, Dina  
Thompson, Matthew  
Tom, Katherine  
Tompkins, Nathan  
Tong, Andrew  
Tran, Cindy  
Tran, Jimmy  
Tran, John  
Tran, Sandy  
Truong, Jason  
Tsang, Shirley  
Tse, Alvina  
Tse, Melanie  
Tse, Tiffany  
Tung, Anita  
Tynkkynen, Kelly

Uppal, Ashley  
Vanasse, Magdalin  
Vanderwater, Catherine  
Villeneuve, Justin  
Visscher, Scott  
Visvanathan, Tharshini  
Vuong, Chelios  
Waite, Anna  
Wang, Lu Ning  
Wang, Yanyi  
Ward, Emma  
Ward, Isobel K  
Whillans, Jacqueline  
Wilson, Laura  
Wong, Danny  
Wong, Jacky  
Wong, Jason  
Wong, Katie Lin  
Wong, Lori  
Wong, Michael  
Wong, Tsz Woon  
Wong, Venus  
Woo, Amy  
Wood, Boyce  
Woodbeck, Kiersten  
Wrigley, Shawn  
Xin, Ye  
Xing, Jia  
Yaghini, Vahid  
Yam, Benjamin  
Yesovitch, Lauren  
Yeung, April  
Yeung, Marco  
Yip, Tony  
Yiu, Wilson  
Yoo, Jason  
Younas, Aisha  
Yu, Ling  
Yue, Wen  
Yuen, Alexander  
Zhan, Wen  
Zhang, Xuan  
Zhao, Yue  
Zhou, Yi Xin  
Zhu, Jia  
Zu, Young

#### Student Statistics

Enrollment	Radiological Technology	Nuclear Medicine	Radiation Therapy	Total
Class 2011	36	44	50	130
Class 2010	38	33	63	134

#### Graduation Numbers: (eligible to graduate November 2009)

Enrollment	Radiological Technology	Nuclear Medicine	Radiation Therapy	Total
Class 2009	37	35	59	131

#### *Structure of the Program*

This joint program combines the strengths of the Faculty of Medicine of the University of Toronto and The Michener Institute for Applied Health Sciences (Michener) and makes full use of their complementary resources and expertise. The integrated three-year curriculum aims to provide students with a broad-based theoretical and analytical foundation for their discipline-specific professional responsibilities. Graduates receive a B.Sc. in Medical Radiation Sciences from the University of Toronto and an Advanced Diploma of Health Sciences from Michener. Students receive instruction at both institutions.

Teaching faculties are drawn from both the University of Toronto and Michener. The program is designed to accommodate 130 students per year. The three-year curriculum provides students in each of the three disciplines a core curriculum of broadly based content along with discipline-specific courses and clinical practice activities. The program provides breadth and depth of knowledge and develops analytical, critical and evaluative skills. Professional values, responsibility, accountability, sensitivity and ethical attitudes towards both the consumer and health care community are emphasized. Students learn to evaluate and consider the implications of their professional actions. The clinical practicum components integrate and apply the material taught in lectures and labs, leading to the development of clinical competence. Each student is required to complete 38 weeks of full-time clinical practice.

Courses delivering knowledge and imparting skills required in common by all three disciplines comprise the core curriculum and include instruction in anatomy, clinical behavioral sciences, inter-professional collaboration, patient care, physiology, relational anatomy and research methods. Students in each discipline undertake, in addition, a set of courses focused on discipline specific material. Clinical practice and experiences at the affiliated hospital sites are specific to the discipline. The curriculum emphasizes critical thinking, evidence-based practice and problem solving in the belief that these attributes play a crucial role in the optimal delivery of health care in today's evolving health care environment.

#### Evaluation - National Certification Results

	Radiological Technology	Nuclear Medicine	Radiation Therapy
2004	92.7 (92.5)	78.9 (93.8)	96.9 (97.0)
2005	100.0 (95.0)	89.3 (87.1)	87.5 (87.0)

2006	84.0 (88.1)	90.6 (89.5)	97.1 (90.4)
2007	96.0 (94.2)	83.9 (82.8)	98.2 (89.2)
2008	96.9 (94.9)	81.8 (79.2)	71.7 (75.0)

Percent of students successful on the first write of the exam. National averages in brackets.

*Academic output*

Overall Highest Academic Standing:

Gold, Silver and Bronze awards are given to the graduates attaining the highest overall gap at the November 2008 Convocation Ceremony

Gold Medalist: Heng (Helen) Yang - Radiological Technology  
 Silver Medalist: Elli Wan Fong Luy - Radiological Technology  
 Bronze Medalists: Laura Taylor - Nuclear Medicine

Research Awards

University of Toronto/Michener Institute Award for Excellence in Research by a Final Year Medical Radiation Sciences Student.

Winner: Christine Hill - Radiation Therapy  
 Title: "A Pilot Study: The Effect of Cone Beam Computed Tomography Image Guidance on the Accelerated Partial Breast Irradiation Technique"

Co-Supervisors: Robert Case, Hon. BSc, M.R.T. (T) & Dr. John Cho, MD, PhD

Honourable Mention: Karen Tse Radiation Therapy

Supervisor: Maureen Engel, M.R.T.(T.)

Clinical Project Awards

In each discipline the students who have the highest combined marks for Clinical Project I & II are recognized for their achievements.

Radiological Technology

Outstanding achievement in clinical project (TIE): Peter Arora & Anna Formosa

Nuclear Medicine

Outstanding achievement in clinical project: Laura Taylor  
 Honourable mention: Kamandeep Basrai

Radiation Therapy

Outstanding achievement in clinical project: Timothy Yan  
 Honourable mention: Rachel Woo

*Special Activity this Year*

Course development and approvals for the redesigned curriculum continued for the 2008/2009 academic year. The redesign of the curriculum has really focused on utilizing various teaching and learning techniques, and has been structured so that courses are integrated and cumulative. In the Fall 2008 students from all three disciplines completed a

full course entitled “Integrated CT Imaging Theory & Practice”. The MRS Program continues to be the only program in Ontario educating undergraduate students to this level of practice.

This past winter saw a collaboration between the MRS Program and the Department of Physiology. Traditionally taught by faculty in the lecture format, the physiology course is now delivered online giving students more flexibility in terms of time and location, and allows self-directed learning within a semi-structured framework.

Summer 2009 saw the launch of the clinical simulation semester. Students participated in both interprofessional and discipline specific simulation. The purpose of the simulation semester is to prepare students for entry into the clinical component of the Program. Through case scenarios, with and without standardized patients, peer/self-assessment tools, and a variety of other assessments students have the opportunity to consolidate and apply their knowledge and skills prior to going to clinic. The students, ultimately, must demonstrate a specific standard of performance before proceeding into the clinical environment.

There has been increased representation this year on several University of Toronto working committees including Interfaculty Curriculum Committee, Health Sciences Committee on Emergency Preparedness, Faculty of Medicine Distributed Education and Physician Assistants Steering Committee.

## **Equity Report**

Program Director: Fei-Fei Liu

Since the initial appointment of the Equity Officer within UT DRO in 2007, a website has been established, hosted on the UT DRO webpage, informing the community of the existence of this position, and accessibility to the Equity Officer to discuss any issues of concern.

Important information is provided on this webpage, including relevant dates for religious observances, the University of Toronto Human Resources and Equity Annual Report, the University of Toronto Employment Equity Report, and the Ontario Human Rights Code.

There has also been co-ordination with counterparts within the Faculty of Medicine to ensure streamlining and harmonization of Equity and Professionalism activities. To that end, the UT DRO Equity Officer has been collaborating with Dr. David McKnight, the Associate Dean of Equity and Professionalism in the Faculty of Medicine, at the University of Toronto on developing programmatic activities promoting Diversity and Professionalism within UT DRO.

## Research Report

The UT DRO research program continues to grow and consolidate its profile as one of the pre-eminent multidisciplinary radiation medicine research programs in the world. The following report summarizes the areas of progress, new initiatives, and benchmarks of success in 2008-2009.

Research in UT DRO is conducted in all domains of radiation medicine; including radiation physics, therapy and nursing. The scope includes clinical research, quality of life and health services and outcomes research, basic and translational studies related to radiation response, and advanced high-precision radiation and imaging. Research is performed in collaboration with the other clinical and basic science departments, extra-departmental units including hospital research institutes, both within and outside of the University of Toronto.

### *Research Highlights*

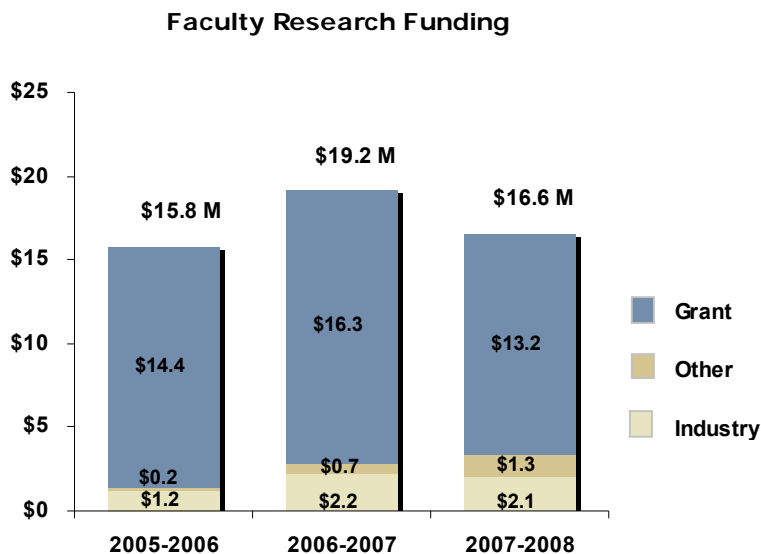
- Dr. Fei-Fei Liu and co-applicants were successful in obtaining a renewal of their CIHR Training Grant “Excellence in Radiation Research”
- Dr. Thomas Purdie received a grant from the Canadian Breast Cancer Research Alliance for “Automating the breast radiation therapy process to improve efficiency and reduce treatment related toxicity”.
- Dr. Gregory Czarnota, 2009 Cancer Care Ontario Research Chair for cancer experimental therapeutics and cancer imaging.
- Dr. Bradley Wouters received the prestigious Michael Fry Award at the 54th Annual Meeting of Radiation Research Society.
- Dr. Alex Vitkin and Dr. Wilfred Levin received a grant from the Collaborative Health Research Projects (CHRP) partnership program (operated jointly by CIHR and NSERC), for their project entitled “Optical coherence tomographic imaging for monitoring radiation complications in the colon”.
- Dr. Gillian Thomas received the International Gynecologic Cancer Society Award for Excellence in "research and teaching, mentorship and promoting international collaboration, and her leadership contribution to the IGCS”.
- Dr. David Jaffray and Dr. Alex Vitkin along with Dr. Ralph DaCosta, were awarded a CIHR Operating Grant “Probing the Temporal Dynamics of Tumor Cell Kill and Vascular Damage in Radiation Therapy Using Optical Molecular Imaging”.
- The PMH Hypoxia Program (Drs. Robert Bristow, Bradley Wouters, Richard Hill, David Jaffray, Ivan Yeung, Marianne Koritzinsky, Michael Milosevic, Anthony Fyles) were successful in renewing their Terry Fox funded program project.



- Dr. Stanley Liu was selected to receive a 2009 ASCO Cancer Foundation Young Investigator Award for his fellowship research “Identification and characterization of the cellular mechanisms underlying DLL4 Notch pathway mediated tumor radioresistance.”
- Dr. Jean-Pierre Bissonnette, received funding from the Canadian Cancer Society (Ontario Division) for “Prospective study of 4DCT and 4DPET imaging during a course of radical radiotherapy to monitor tumour response and predict treatment outcome for non-small cell lung cancer”.
- Dr. Robert Bristow for his OICR grant ‘Genomic Alterations and DNA Repair As Predictors Of Intermediate Risk Prostate Cancer Radiotherapy Outcome’.

*Indicators of Success*

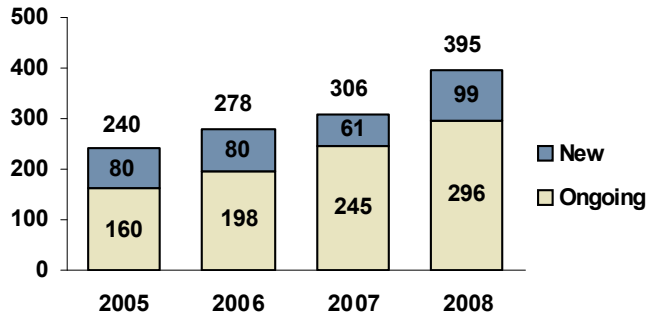
**Yearly Research Funding**



**Active Protocols**

**Summary**

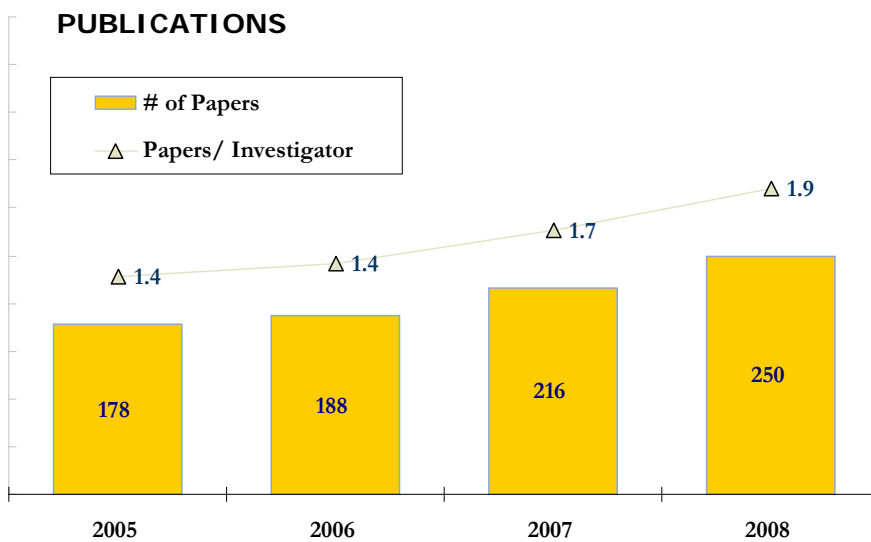
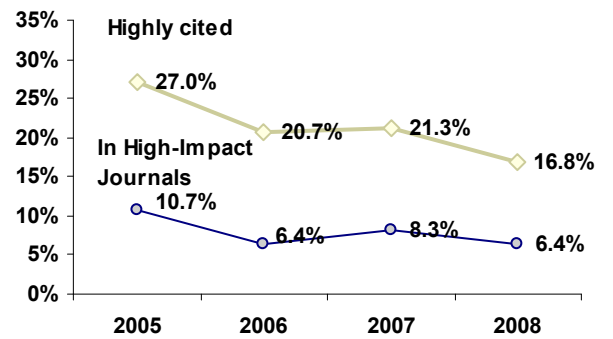
- Although the total number and amount of awards decreased in 2007/08, funding over the 3-year review period increased from the previous review. The average amount awarded per funded investigator also increased from the previous review to \$1.2M from \$1.0M.
- Over the 2005-2008 review period, U of T DRO investigators had increasing numbers of ongoing and total active approved protocols.

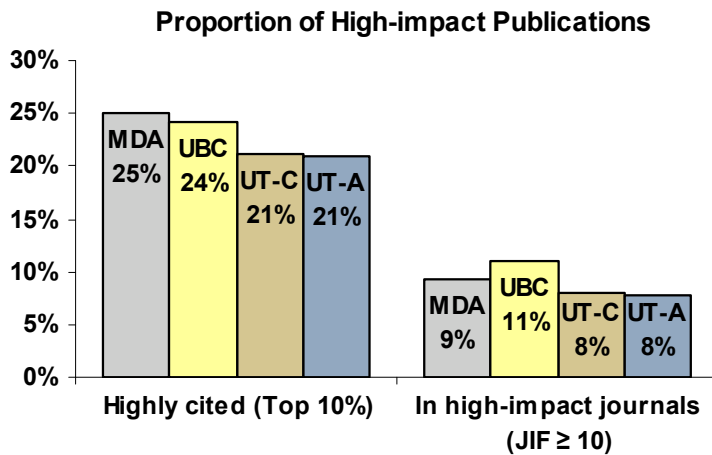


Comparison of Publication Record with Peers  
(3 Full Year Period 05-08)

Institution	Papers	Citations (June 2009)	Papers per PI per year	Cites per Paper	Proportion cited
U of T Core†	826	8165	2.0	9.9	81.8%
U of T All*	832	8210	1.6	9.9	81.7%
MD Anderson	589	6691	3.5	11.4	85.6%
UBC	162	1757	0.8	10.8	84.6%

UTDRO High-impact Publications: 2005-2008





*Summary of Bibliographic Review*

- U of T DRO investigators published an increasing number of papers annually over the last three years, twice more than UBC but lower than its peers from MD Anderson.
- Though citation and publication rates were unchanged from 2008, U of T DRO investigators demonstrated relatively lower publication impact in this review, both in terms of journal impact, and proportions of cited and highly cited papers. This is likely due to an increasing number of publications in lower impact journals. The difference, however did not reach significance.

*Research Objectives for 2008-2009*

- Increase collaboration with new research partners
- Expand translational research programs to move new discoveries to practical applications in patients
- Foster recruitment to support DRO research goals
- Increase number of peer-reviewed publications in high-impact journals

## Research Grants

Alibhai S, Duff Canning S, Fleshner N, Krahn M, Naglie G, Tannock I, Tomlinson G, **Warde P**. A 2-year follow-up study of the health effects of androgen deprivation therapy in men with non-metastatic prostate cancer. National Cancer Institute of Canada (NCIC). \$338,946, 2007-2010.

Au HJ, **Brade A**. A phase II study of AZD0530 as first line treatment in patients with metastatic or locally advanced gastric carcinoma. National Cancer Institute of Canada (NCIC) Cancer Therapy Evaluation Program. \$175, 000, 2008-2009.

**Barbera L**, Howell D, Seow H, Husain A, Sussman J, Viola R, Atzema C, Earle C. Policy Advisors: Dudgeon D, King S. Symptom severity, performance states and resource negotiation in cancer patients. Ontario Institute for Cancer Research (OICR). \$182,716, 2009.

Barnwell S, Tullio Pow S, **Nyhof-Young J**. A victim of fashion: Modular bag with therapeutic arm sling for breast cancer survivors with lymphedema. Ontario Partnership for Innovation in Commercialization, Canadian Intellectual Property Office, Government of Canada (\$10,000), Technology Transfer Office of Research Services at Ryerson University (\$5,000): \$15,000, 2007-2009.

Barzda V, Peshko I, **Rowlands JA**. Cancer tissue diagnostics with non-linear multimodal microscopy. Ontario Centres of Excellence (OCE), Champions of Innovation. \$149,850, 2008-2009.

Barzda V, **Rowlands JA**. Nonlinear microscopy imaging for clinical diagnostics. Natural Sciences and Engineering Research Council (NSERC), Strategic Project Grant. \$384,713, 2008-2010.

Bauch C, **Paszat L**, Gilca V, Krahn M, Mai V, McLachlin C, Pham B. Cervical cancer screening in the era of HPV vaccination: using mathematical and economic models to guide screening policy. Canadian Institutes of Health Research (CIHR). \$226,000, 2008-2011.

Baxter N, Del Giudice L, **Paszat L**, Rabeneck L, Sutradhar R, Urbach D. The young adult survivors of cancer. Canadian Institutes of Health Research (CIHR). \$413,088, 2008-2011.

**Bayley A, Rosewall T, Dinniwell R, Craig T**. Automatic segmentation of target organs and normal tissues for prostate cancer. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$32,500, 2008.

Bell M, **Nyhof-Young J**, Sale J, Sargaent J, Tugwell P, Venoit P, et al. Peer to peer mentoring: Facilitating individuals with early inflammatory arthritis to manage their arthritis. Canadian Arthritis Network (CAN) Strategic Research Program Grants. 2009 SRP Research Module. \$240,000, 2009-2011.

**Bissonnette JP, Bezjak A.** Prospective study of 4DCT and 4DPET imaging during a course of radical radiotherapy to monitor tumour response and predict treatment outcome for non small cell lung cancer. Canadian Cancer Society, Ontario Division. \$238,764, 2009-2011.

**Bissonnette JP, Sun A, Purdie TG.** Prospective study of 4DCT and 4DPET imaging during a course of radical radiotherapy to monitor tumour response and predict treatment outcome for non-small cell lung cancer. Canadian Cancer Society, Ontario Division. \$238,764, 2009-2010.

**Brade A, Ménard C.** A phase I study of sunitinib and stereotactic radiation in patients with 1-4 brain metastases. Pfizer. \$140,000, 2009.

**Brade A, Oza A, Siu L, Chen E, Milosevic M.** A phase I dose escalation study of concurrent low dose radiation with sorafenib in three anatomically based, independent cohorts (thorax, abdomen, pelvis) – the TAP study. Bayer Canada. \$225,000, 2007-Present

**Brade A, Shepherd F, Bezjak A.** A phase I/II study of concurrent pemetrexed/cisplatin/radiation in stage IIIA/B non-small cell lung cancer. Eli Lilly Canada. \$263,500, 2005-2009.

**Brade A.** A phase I-II clinical study of nimotuzumab (TheraCIM h-R3) in combination with external radiotherapy in NSCLC stage IIB, III and IV patients unsuitable for radical therapy. YM Biosciences Mississauga. \$520,000, 2005-2009.

**Bradley G, Chugh D, Nyhof-Young J.** Computer assisted learning for teaching oral pathology to dental students. Information Technology Course Development Fund. \$29,534.10, 2006-2009.

**Breen S, Kim J.** A pilot study of 18FDG PET-CT kinetics analysis in Head and Neck Squamous Cell Carcinoma (HNSCC) with potential implications for target volume delineation and adaptive radiotherapy. Spatio-Temporal Targeting and Amplification of Radiation Response (STTARR). \$40,000, 2009.

**Bristow R, Jaffray DA, Milosevic M.** Spatio-Temporal Targeting and Amplification of Radiation Response (STTARR) Innovation Centre: Imaging and animal support infrastructure enhancement. Canadian Foundation for Innovation Grant (CFI-Infrastructure), Core I Leader: Cell Imaging Program \$1,850,000, Infrastructure Grant \$11,418,194, 2004-2009.

**Bristow R, Lam W, Milosevic M, Jurisica I.** Genomic alterations and DNA repair as predictors of intermediate risk prostate cancer radiotherapy outcome. Ontario Institute for Canada Research (OICR). \$579,846, 2009-2012.

**Bristow R, Bapat B, van der Kwast T, Trachtenberg J.** DNA repair inhibition in prostate cancer cells and individualized therapy. The Prostate Cancer Research Foundation of Canada. \$60,000, 2008-2010.

**Bristow R**, Goda J, **Catton C**, **Craig T**. A pilot study of gamma H2AX DNA repair Foci kinetics in peripheral blood lymphocytes during prostate cancer radiotherapy. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$37,100, 2009-2010.

**Bristow R**, **Hill R**, Hedley D, **Milosevic M**, **Fyles A**, **Yeung I**. PMH Hypoxia Program Project grant section 3: Hypoxia-mediated genetic instability: The role of DNA-dsb repair. National Cancer Institute of Canada (NCIC), Terry Fox Foundation. \$5,262,165, 2004-2009.

**Bristow R**. Basic and translational studies of DNA damage and repair as relates to p53. National Cancer Institute of Canada (NCIC) and the Canadian Cancer Society (CCS). Salary Support Award. \$75-85,000, 2004-2010.

**Bristow R**. The p53 protein and DNA damage recognition. National Cancer Institute of Canada (NCIC). \$146,178, 2006-2011.

**Brock K**. Biomechanical modeling for high precision radiotherapy design, adaptation, and assessment. National Cancer Institute of Canada (NCIC), Terry Fox Foundation. \$281,904, 2006-2009.

**Brock K**. Cancer Care Ontario Research Chair. Cancer Care Ontario (CCO). \$500,000, 2008-2013.

**Brock K**. Investigation of the inclusion of motion and deformation in dose calculations for external beam radiotherapy. Dean's Fund, University of Toronto. \$9,801.40, 2005-2010.

**Brock K**. Medical Imaging Instrumentation and Software Platform (IPP-MIIS). Ontario Institute for Cancer Research (OICR). \$382,000, 2008-2012.

**Brock K**. Validation and comparison of deformable image registration algorithms. Connaught New Staff Matching Grant, University of Toronto. \$40,000, 2006-2009.

**Brock K**, **Bezjak A**, **Craig T**, **Dawson LA**, **Jaffray DA**, **Sharpe MB**. Dynamic multi-organ anatomical models for hypofractionated radiotherapy design and delivery. National Institutes of Health (NIH). US \$814,351, 2008-2012.

Caldwell CB, **Mah K**, **Poon I**. Automated delineation of targets for radiation treatment of head and neck cancer based on computerized analysis of FDG-PET/CT images. Canadian Institute of Health Research (CIHR). \$47,061, 2009.

**Catton C**, Lukka H, **Warde P**, Levine M, Julian J, Gafni A, Bauman G, Partliament M, Wu J, Pickels T, Souhami I, Bahary JP A randomized trial of a shorter fractionation schedule for localized carcinoma of the prostate. Canadian Institutes of Health Research (CIHR). \$2,209,971, 2005-2012.

**Catton P**, **Wiljer D**. eLLICSR: The electronic living laboratory for international cancer survivorship research: A cancer survivorship initiative of the Princess Margaret Hospital. Canadian Foundation for Innovation (CFI). \$1,200,000, 2007-2009.

**Cheung P, Morton G, Loblaw DA, Mah K, Pang G**, Davidson M, Chu W, **Ménard C, Thomas G, Vesprini D, Chung H**, Cunningham C, Chen A. Stereotactic Body Radiotherapy (SBRT) boost to mimic High-Dose Rate (HDR) brachytherapy boost for intermediate risk prostate cancer: A Phase 1 Study. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$26,504, 2009-2010.

**Cheung P, Loblaw DA, Morton G, Pang G**, Zhang L. Matched cohort study of accelerated versus conventionally fractionated radiotherapy for localized high risk prostate cancer. Sanofi-Aventis. \$619,000, 2007-2009.

Chopra S, **Ménard C, Milosevic M, Bristow R**, Haider M, Foltz W. Multiparametric MRI based evaluation of hypoxia in men with prostate cancer. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$43,000, 2008-2009.

**Chow E**, Clemons M, Kerba M. Canadian-led international validation of the European Organization for Research and Treatment of Cancer brain module (EORTC-QLQ-BN20) for assessing quality of life in patients with brain metastases. Canadian Institutes of Health Research(CIHR), Institute of Health Services and Policy Research (IHSPR). \$98,958, 2009.

**Chow E**, Clemons M, Wu J, **Bezjak A**, Brundage M, Yee A, Bottomley A, Velikova G, Hoskin P. Development of a Canadian-led international bone metastases module to accompany European organization for research and treatment of cancer quality of life group core questionnaire (the EORTC QLQ-C30) for future clinical trials in patients with bone metastases. National Cancer Institute of Canada (NCIC). \$271,483, 2005-2008.

**Chow E, Loblaw DA, Wong R**, Wu J, DeAngelis C. A randomized phase III double blind study of dexamethasone versus placebo in the prophylaxis of radiation-induced pain flare following palliative radiotherapy for bone metastases. National Cancer Institute of Canada (NCIC) Clinical Trails Group. \$768,000, 2009-2011.

**Chow J, Islam M, Brock K, Jaffray DA**. A morphologically accurate Monte Carlo radiation dose engine. Natural Sciences & Engineering Research Council Canada (NSERC). \$225,000, 2007-2012.

**Chow JCL**. Determination of the mucosal dose using Monte Carlo method in radiation therapy. Dean's Fund, University of Toronto. \$10,000, 2009-2013.

Chung C, **Ménard C, Brade A**, Zadeh G, Campheusen K, Kassner A, Foltz W. Introducing sunitinib with radiotherapy and temozolamide in an xenograft glioblastoma model. Canadian Association of Radiation Oncology (CARO) RACZER Award. \$19,400, 2008-2009.

**Chung H, Czarnota G, Morton G**, Sugar L, Yaffe M, Nam R. Correlative study of ultrasound-based elastography imaging with whole-mount histopathology in men with prostate cancer. Abbott-CARO Uro-Oncologic Radiation Awards (ACURA). \$36,458.50, 2009-2010.

Classen C, Ferguson S, **Barbera L, Wiljer D**, Chivers M, Urowitz S. Development of an internet-based support group for sexual problems due to gynecological cancer. National Cancer Institute of Canada (NCIC). \$35,000, 2008.

Coburn N, **Paszat L**, Rabeneck L, Sutradhar R, Gagliardi A, Law C, Helver L, Swallow C, Quan ML, McLeod R. Improving gastric cancer survival: Development and measurement of quality indicators using the RAND/UCLA appropriateness method and population-based data analysis. National Cancer Institute of Canada (NCIC). \$552,466, 2008-2011.

Courneya K, **O'Brien P**, Brundage M, Dongsheng T, **Livingstone M**, Kaugustson, Au H-J, Meyer Sarascil R, Pollak M, Vardy J, **Wong R**. A phase III study of the impact of a physical activity program on disease-free survival in patients with early stage colon cancer: A randomized controlled trial (CHALLENGE). National Cancer Institute of (NCIC) Canada Clinical Trials Group. Symptom Control Committee Coordinator. \$2,405,000, 2009.

**Czarnota G**. Ministry of Research and Innovation (MRI) Early Researcher Award. \$150,000, 2009.

**Czarnota G**. Cancer Care Ontario (CCO) Research Chair, Imaging and Experimental Therapeutics Cancer Care Ontario. \$500,000, 2009-2014.

**Czarnota G, Brade A**, Kolios M, Burns PN, Foster SF, **Wong S**. Assessing tumour responses to radiation: Role of the vasculature examined longitudinally using high-frequency ultrasound. Cancer Imaging Network of Ontario (CINO). \$132,400, 2007-2009.

**Czarnota G**, Burns P, **Wong CS**. Ultrasound molecularly-targeted microbubble-potentiated enhancement of prostate cancer responses to radiation. Canadian Association of Radiation Oncologists (CARO). \$25,000, 2007-2009.

**Czarnota G, Wong CS**, Burns PN. Ultrasound microbubble-potentiated enhancement of breast cancer responses to radiation. CDMRP Programme, US Army Breast Concept Grant. US \$102,453, 2007-2008.

**Czarnota G, Wong CS**, Burns PN . Ultrasound microbubble-potentiated enhancement of prostate cancer radiation responses. Congressionally Directed Medical Research Program (CDMRP), US Army Prostate Cancer Idea Grant. US \$390,498, 2007-2011.

**Czarnota G, Wong CS**, Burns PN, Foster SF. Ultrasound analyses of vascular effects of radiation. Canadian Breast Cancer Foundation, Ontario Chapter. \$428,000, 2007-2010.

**Czarnota G, Wong CS**. Ultrasound microbubble enhancement of bladder cancer responses to radiation. American Association for Cancer Research (AACR), Henry Sheppard Translational Research Grant. US \$250,000, 2009-2011.

**Czarnota GJ**, Karshafian R. Novel microbubble enhancement of radiation effect: normal tissue effects. Technology Transfer Toronto, Ontario Commercialization Research Program (ORCP). \$50,000, 2008-2009.



**Czarnota GJ**, Kolios MC. Low-frequency detection of apoptosis. Technology Transfer Toronto, Ontario Commercialization Research Program (OCRP). \$50,000, 2008-2009.

**Czarnota GJ, Wong CS**, Burns P, Karshafian R. Novel molecularly-targeted microbubbles for radiosensitization. Canadian Association of Radiation Oncology (CARO), RAZCER Grant Program. \$25,000, 2008-2012.

**Czarnota GJ, Wong CS**. Ultrasound microbubble enhancement of bladder cancer responses to radiation. American Association for Cancer Research (AACR), Henry Shepard Translational Research Grant. \$250,000, 2009-2011.

**Czarnota GJ**. Diffuse optical spectroscopy tomographic device for monitoring neoadjuvant chemotherapy. Sunnybrook Health Sciences Centre Foundation. \$300,000, 2008.

DaCosta R, **Vitkin A**. Probing the temporal dynamics of tumor cell kill and vascular damage in radiation therapy using optical molecular imaging techniques. Canadian Institutes of Health Research (CIHR). \$87,000, 2009-2012.

**Dawson L, Brade A**. A phase I/II study of sorafenib and radiation in patients with liver metastases. Bayer Canada. \$255,000, 2008-2009

**Dawson L, Brade A**. A phase I/II study of sorafenib and radiation in patients with unresectable hepatocellular carcinoma. Bayer Canada. \$255,000, 2008-2009.

**Dawson LA, Dinniwell RE, Kim J, Ringash J, Craig T**, Lockwood G. Image guided radiotherapy for primary and metastatic liver cancer. National Cancer Institute of Canada (NCIC). \$159,714, 2007-2009.

**Dawson LA, Kim T, Kim J, Knox RJ, Dinniwell R, Brierley J, Wong R, Ringash J, Yeung I**. Phase I study of sorafenib and radiation therapy for liver metastases. Bayer. \$286,000, 2008-2011.

DiMarco C, Bray P, Lipa J, Bray P, Covvey D, Cowan D, DiCiccio V, Harris R, **Wiljer D**. Natural language generation tools and methodologies for personalized e-health education systems. Bell University Labs (BUL). \$50,000, 2008.

DiMarco C, **Wiljer D**, Leonard K, Covvey D, **Jaffray DA**. Self-managed access to personalized health information through automated generation of tailored diagnostic reports from electronic health records. Natural Sciences & Engineering Research Council Canada (NSSERC). \$50,000, 2008.

**Dinniwell R**. Multimodal imaging for response assessment in locally advanced breast cancer. Princess Margaret Hospital Locally Advanced Breast Cancer Pilot Grant. \$8,500, 2009.

**Durocher D, Wouters B**, Sicheri F, Hakem R, **Bristow R, Liu F-F, Koch A**. Cluster II. cancer, DNA damage and stress response. Terry Fox Research Institute (TFRI), Ontario Institute for Cancer Research (OICR) Seed Funding, Ontario Node. \$125,000, 2008.

Fierini D, Himel D, Farrell D, Gowan S, **Nyhof-Young J**. Survey of user satisfaction of a symptom-focused cancer cookbook, "Goes Down Easy". UHN Allied Health Research Committee Grant. \$486.24, 2008-2009.

Foster S, Beanlands R, Caldwell C, Carson JLL, **Chow BJW**, Cunningham C, **Czarnota G**, JN Dasilva, R De Kemp, Drangova M, A Fenster, PJ Foster, RM Henkelman, D Holdsworth, J Lacefield, Ting-Yim Lee, Reznik A, **Rowlands JA**, TD Ruddy, BK Rutt Ontario Preclinical Imaging Consortium. Ontario Research Fund, Research Excellence Funding. \$7,381,985, 2009-2014.

Foster FS, Bronskill MJ, Burns P, Henkelman RM, Martell A, Stanisz G, Plewes DB, **Rowlands JA**, Yaffe MJ. Medical imaging for cancer. National Cancer Institute of Canada (NCIC), Terry Fox Program Project. \$7,583,990, 2006-2011.

**Glover M, Koch A, Durocher D, Weinfeld M**. The structural biology of DNA repair. National Cancer Institute of Canada (NCIC). \$142,850, 2004-2009.

Gould J, **Catton P**. Ascertaining the post-treatment program, service and network formulation needs of breast cancer survivorship providers in the Toronto Central Local Health Integration Network. Canadian Institute of Health Research (CIHR). \$18,967, 2008.

Gregorio N, **Dinniwell R**. Non-invasive assessment of lymphatic circulation in women with locally advanced breast cancer. Princess Margaret Hospital Locally Advanced Breast Cancer Pilot Grant. \$8,500, 2009.

Grunfeld E, **Paszat L**, Levine M, Julian J, Maunsell E, Beaulieu M-D, Coyle D, Sussman J, del Guidice L, Wiernikowski J, Dent S, Grenier R, Robidoux A, Schreuer D, Sisler J. A randomized trial of a patient-centred strategy to facilitate transition of breast cancer survivors' routine follow-up from specialist to primary care. Canadian Breast Cancer Research Alliance (CBCRA). \$594,362, 2006-2010.

Hall S, Groome P, **O'Sullivan B**, Irish J, Gilbert R, Gregg R, Meyer R. The Ontario clinical practice guideline #5-6a: The impact on physicians, practice and patients. National Cancer Institute of Canada (NCIC), Canadian Cancer Society, Ontario Division. \$300,000, 2008-2009.

**Harnett, N, Catton P**. Clinical specialist radiation therapist demonstration project - phase I extension 2. Ministry of Health and Long Term Care Grant. \$504,310, 2009-2010.

**Hill R, Bristow R**. Assessing skin exposure by measuring DNA damage in skin cells. National Institute of Allergy and Infectious Diseases (NIAID). US \$171,781, 2005-2010.

**Hill RP, Hope A.** Improved radiation induced lung toxicity prediction with linked pre-clinical/clinical models and biomarkers. National Cancer Institute of Canada (NCIC). \$430,913, 2008-2011.

**Hill RP, Yeh W-C, Moulder J.** Mitigating and treating the effects of radiation in lung tissue. National Institute of Allergy and Infectious Diseases (NIAID) Centers for Medical Measures against Radiation. \$1,259,165, 2005-2011.

**Hill RP, Yeh W-C, Yeung IW, Van Dyk J.** Radiation-induced lung damage: Volume-effects & mitigation. Canadian Institutes of Health Research (CIHR) 69,530, 2005-2009.

**Hill RP, Wouters B.** Hypoxia in tumours: Clinical and experimental studies. National Cancer Institute of Canada (NCIC), Terry Fox Project Grant. \$4,986,535, 2009-2014.

**Hill RP.** A hypoxia in tumours: Clinical and experimental studies. National Cancer Institute of Canada (NCIC), Co-ordinator Terry Fox Foundation. \$627,973, 2004-2009.

**Hill RP.** Probing the temporal dynamics of tumor cell kill and vascular damage in radiation therapy using optical molecular techniques. Ralph Da Costa, Ontario Cancer Research Network. \$145,000/year, 2009-2012.

Hoch J, **Hodgson D**, Peacock S, Sawka C, Woodward G, Gauvura S, Bell C, Sullivan T, Djalalova D, Mandan M, Trudeau M, Grootendorst P. The cost-effectiveness of cancer drugs: Providing evidence of the value of medicines in delivering expected outcomes. Drug Innovation Fund. \$468,471, 2008-2009.

**Hodgson DC**, Greenblatt E, **Catton P**, Sridhar S, Azad A, Lockwood G. Fertility assessment in young breast cancer survivors: Novel assessment of ovarian reserve. Canadian Breast Cancer Foundation. \$330,391, 2008-2011.

**Hodgson DC**, Hoch J, Krahn M, Trudeau M, Krzyzanowska M, Henry D. Looking in Pandora's Box: Predicting the uptake, cost and outcome of new cancer drugs in Ontario. Green Shield Canada Foundation. \$134,183, 2008-2010.

**Hope A, Hill R**, G. Liu G, Jurisica I, Pintilie M, **Bezjak A, Jaffray DA.** Improved radiation induced lung toxicity prediction with linked preclinical/clinical models and biomarkers National Cancer Institute of Canada (NCIC) Equipment Grant. \$49,814, 2008-2009.

**Hope A, Hill R**, Liu G, Jurisica I, Pintilie M, **Bezjak A, Jaffray DA.** Improved radiation induced lung toxicity prediction with linked pre-clinical/clinical models and biomarkers. National Cancer Institute of Canada (NCIC). \$381,099, 2008-2011.

**Hope A, Hill R**, Liu G, Jurisica I, Pintilie M, **Bezjak A, Jaffray DA.** Improved radiation induced lung toxicity prediction with linked pre-clinical/clinical models and biomarkers (Equipment Grant) \$49,814, 2008-2009.

**Hope A, Hill R, Liu G, Jurisica I, Pintilie M, Bezjak A, Jaffray DA.** Improved radiation induced lung toxicity prediction with linked preclinical/clinical models and biomarkers. National Cancer Institute of Canada (NCIC). \$440,541, 2008-2011.

Husain A, Howell D, Sussman J, **Barbera L, Bezjak A.** Lung cancer patients' experience with continuity of care and unmet needs. National Cancer Institute of Canada (NCIC) Feasibility Grant. \$35,000, 2008-2009.

Husain A, Howell D, Sussman J, **Barbera L, Bezjak A.** Lung cancer patients' experience with continuity of care and unmet Needs. National Cancer Institute of Canada (NCIC) Additional Funding Grant. \$7,715, 2008-2009.

Hynynen K, **Rowlands J**, et al. Centre for research in image-guided therapeutics. Canada Foundation for Innovation, Research Hospital Fund-LSIE. \$57,351,858 from the CFI; total project cost \$143,379,193, 2008-2014.

Hynynen K, Bronskill MJ, Burns P, Chopra R, **Czarnota G**, Kolios M, Kucharczyk W, **Rowlands JA**, Tavakkoli J, Whelan W. Focused ultrasound devices for non-invasive surgery and drug delivery. Ontario Research Fund (ORF) Research Excellence Fund. \$8,422,827, 2007-2013.

Hynynen, K, **Czarnota GJ**, Burns P, Kolios MC, Tavakoli J, Kuharchyk W. High-intensity focussed ultrasound for non-invasive surgery. Ontario Research Fund (ORF). \$25,268,420, 2008-2013.

**Islam M.** Adaptive field modification for image guided radiation therapy. Ontario Research Fund (ORF). \$ 500,000, 2007-2012.

**Islam M.** Improving patient safety during radiation therapy through human factors methods. **American Association of Physicists in Medicine** (AAPM), National Patient Safety Foundation (NPSF) Fellowship/Studentship. \$10,000, 2007-2009.

**Jaffray DA, Keller H, Yeung I, Haider M, Foltz W, Farncombe T, Basran P.** Imaging for cancer clinical trials platform (Component 1.4). Ontario Institute of Cancer Research (OICR). \$182,700, 2008-2012.

**Jaffray DA.** Dynamic multi-organ anatomical models for hypofractionated RT design and delivery. National Institute of Health (NIH). US \$946,598, 2008-2011.

**Jaffray DA.** Improved radiation induced lung toxicity prediction with linked pre-clinical / clinical models and biomarkers. National Institute of Health (NIH). US \$288,880, 2008-2011.

**Jaffray DA.** MRI guided and tumor targeted HDR brachytherapy for recurrent prostate cancer. National Institutes of Health (NIH). US \$274,240, 2008-2010.

**Jaffray DA.** Probing the temporal dynamics of tumor cell kill and vascular damage in radiation therapy using optical molecular imaging techniques. Canadian Institutes of Health Research (CIHR). \$350,000, 2009-2012.

**Jaffray DA.** Hypoxia in tumors: clinical and experimental studies. Terry Fox Foundation, National Cancer Institute of Canada (NCIC). \$1,415,000, 2009-2014.

**Jaffray DA, Brock K.** Spatio-Temporal Targeting and Amplification of Radiation Response (SITTARR) Innovation Centre. Canadian Foundation for Innovation/OIT. \$9,824,217, 2004-2009.

**Jaffray DA, Brock K.** Spatio-Temporal Targeting and Amplification of Radiation Response (SITTARR) Innovation Centre: Imaging and animal support infrastructure enhancement. Canadian Foundation for Innovation/OIT. \$11,418,194, 2004-2009.

**Jaffray DA.** Automating the breast radiation therapy process to improve efficiency and reduce treatment related toxicity. National Cancer Institute of Canada (NCIC), Canadian Breast Cancer Research Alliance (CBCRA). \$209,460, 2009-2011.

**Jaffray DA.** NanoMed Fab: A nanofabrication centre for personalized medicine. Canadian Foundation for Innovation (CFI). \$6,530,679, 2009-2014.

**Jaffray DA.** On-line perfusion measurement with contrast enhanced cone-beam CT in radiation therapy-toward clinical implementation. Canadian Institute of Health Research (CIHR). \$499,790, 2009-2013.

**Jaffray DA.** Prospective study of 4DCT and 4DPET imaging during a course of radical radiotherapy to monitor tumor reponse and predict treatment outcome for non-small cell lung cancer. National Cancer Institute of Canada (NCIC). \$285,098, 2009-2011.

**Jaffray DA.** X-ray and optical probes for next generation detection and diagnosis of cancer. Cancer Imaging Pipeline Platform, Ontario Institute for Cancer Research (OICR). \$9,972,000, 2008-2010.

**Jaffray DA.** Building the UHN advanced therapeutics research platform. Canadian Foundation for Innovation (CFI) Research Hospital Fund. \$92,255,965, 2008-2012.

**Jaffray DA.** Imaging for clinical trials platform. Cancer Imaging Pipeline Platform, Ontario Institute for Cancer Research (OICR). \$1,700,000, 2008-2012.

**Jaffray DA.** Ministry of Research & Innovation-ORF, Ontario Consortium for Adaptive Interventions in Oncology. (OCAIO). Ministry of Research and Innovation, Ontario Research Fund (ORF). \$8,000,000, 2010-2014.

**Jaffray DA.** Robotic research program for image-guided surgery and radiation therapy. Canadian Foundation for Innovation (CFI). \$16,030,16, 2009-2013.

Jiang R, **Pignol JP**. Specialized software tool for breast cancer brachytherapy. Canadian Breast Cancer Foundation (CBCF) Ontario Chapter. \$123,000, 2006-2008.

John de Almeida (MSc candidate), Gullane P, **Ringash J**, Vescan A, Witterick I. Development of the University of Toronto Skull Base Inventory (UTSBI) quality of life scale. Physician Services Incorporated (PSI) Foundation. \$19,952, 2009.

Karim K, Reznik A, Caldwell C, **Pignol JP**. Selective photon counting semiconductor pixel array for real-time imaging of 103-palladium seed in permanent breast seed implantation. Natural Sciences and Engineering Research Council of Canada (NSERC). \$140,720, 2007-2009.

**Koch A**, Briollais L, **Bristow R**, Liu F-F, Ozcelik H, **Rakovitch E**, Vallis K, Siminovitch K. Genetic polymorphisms and radiation sensitivity in breast cancer. Canadian Institutes of Health Research (CIHR). \$361,893, 2005-2009.

**Koch A**, **Bristow R**, Okada H, Ikura M. Characterization of APLF (C2orf13) in DNA double-strand break repair and in the maintenance of genome stability. Canadian Institutes of Health Research (CIHR). \$100,000, 2009.

**Koritzinsky M**. Adaptation to hypoxia in cancer through UPR. Canadian Institutes of Health Research (CIHR). 195,571, 2009-2014.

**Koritzinsky M**. Hypoxia in tumours: clinical and experimental studies. National Cancer Institute of Canada (NCIC). \$4,986,535, 2009-2014.

**Koritzinsky M**. The role of hypoxic adaptation through microRNA translation regulation in breast cancer. The Weekend to End Breast Cancer. \$84,655, 2008-2009.

Krahn M, Alibhai S, Barer M, Farahati F, Hoch J, Laporte A, Machado M, Naglie G, **Paszat L**, Peacock S, Tomlinson G. Phase-specific and lifetime costs of cancer in BC and ON. Canadian Cancer Society Research Institute (formerly National Cancer Institute of Canada). \$674,546, 2009-2013.

Krahn M, Naglie G, Alibhai S, **Warde P**, Tomlinson G, Laporte A, Trachtenberg J. Development and applications of the prostate cancer policy model. National Cancer Institute of Canada (CIHR). \$326,700.74. 2007-2010.

Lambin P, **Wouters B**. Non invasive imaging of EGFR express with Cetuximab-Zirconium, a new PET marker. Dutch Cancer Society (KWF). \$150,000, 2008-2010.

Lammering G, **Wouters B**. The role of the variant EGFR VIII in response to radiation. Dutch Cancer Society (KWF). (Euro) 434,700, 2006-2010.

Lee J, **Czarnota GJ**. Novel microbubble radiosensitization for prostate cancer. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$22,000, 2008-2012.

Levinson W (PI), Laupacis A, Redelmeier D, Deber R, Hux J, Manuel D, **Paszat L**, et al. An integrated training program in health and social science research to improve the health of marginalized populations. Canadian Institutes for Health Research (CIHR). \$1,350,000, 2003-2009.

Lipscombe L, **Paszat L**. Diabetes risk following breast cancer. Canadian Diabetes Association. \$82,206, 2007-2009.

**Liu F-F, Bezjak A, Bristow R, Catton P, Cheung P, Czarnota G, Dawson L**, Derry W, Durocher D, Earle C, **Fyles A, Gospodarowicz M, Hill R, Hodgson D**, Hudson T, **Jaffray D**, Jurisica I, Kelley S, **Koch C**, Liu G, **Milosevic M**, Penn L, Podgorsak E, Reilly R, **Rowlands J**, Schimmer A, Seuntjens J, **Siewerdsen J**, Stambolic V, **Wong S, Wouters B**. Excellence in Radiation Research for the 21st Century (EIRR21). Canadian Institutes for Health Research (IRSC). \$1,800,000, 2003-2009.

**Liu F-F, Bezjak A, Bristow R, Catton P, Fyles A, Gospodarowicz M**, Jurisica I, **Jaffray D, Paszat L**, Roberts T, Vallis K, **Wong S**. Research excellence in radiation medicine for the 21st Century. Canadian Institutes for Health Research (CIHR) Training Grant. \$300,000, 2003-2009.

**Liu F-F, Bezjak A, Bristow R, Catton P, Fyles A, Gospodarowicz M**, Jurisica I, **Jaffray D, Paszat L**, Roberts T, Vallis K, **Wong S**. Research excellence in radiation medicine for the 21<sup>st</sup> Century. Canadian Institutes of Health Research (CIHR). \$1,800,000, 2003-2009.

**Liu, F-F, Bezjak A, Bristow R, Catton C, Cheung P, Czarnota GJ, Dawson LA**, Derry W, Durocher D, Earle C, **Fyles A, Gospodarowicz M, Hill R, Hodgson D**, Hudson T, **Jaffray DA**, Jurisica I, Kelley S, **Koch A**, Liu G, **Milosevic M**, Penn L, Podgorsak E, Reilly E, **Rowlands J**, Schimmer A, Seuntjens J, **Siewerdsen J**, Stambolic V, **Wong S, Wouters B**. Excellence in radiation research for the 21<sup>st</sup> Century (EIRR21). Canadian Institute of Health Research (CIHR) Strategic Training Initiative in Health Research Training Program. \$1,950,000, 2009-2015.

**Liu F-F, Fyles A**, McCready D, Miller N, Pintilie M, Whelan T, Hui A. Developing and validating a predictive micro-RNA signature for node-negative breast cancer. Canadian Breast Cancer Foundation. \$393,105, 2008-2011.

**Liu F-F**, Gilbert R, Gullane P, Hui A, **O'Sullivan B**, Perez-Ordenez B, Pintilie M. Developing a predictive gene set for HNSCC patients. Ontario Institute for Cancer Research (OICR). \$470,796, 2008-2011.

**Liu F-F**, Hui A, **O'Sullivan B**, Perez-Ordenez B, Pintilie B. The roles of micro-RNAs in human nasopharyngeal carcinoma. Canadian Institutes of Health Research (CIHR). \$752,500, 2008-2013.

**Liu F-F, O'Sullivan Brian**, M. Pintile and Dr. B. Perez-Ordenez. The role of micro-RNA's in human nasopharyngeal carcinoma. Canadian Institutes of Health Research (CIHR). \$875,000, 2008.

Liu G, Jurisica I, Narod S, **Wong R**. Molecular epidemiology of esophageal cancer survival. Canadian Institute of Health Research (CIHR). \$689,229, 2007-2012.

**Loblaw DA, Cheung P, Morton G, Sahgal A, Tang C, Pang G, Tirona R, Basran P**. Hypofractionated accelerated post-operative radiotherapy for prostate cancer. CARO Uro-Oncologic Radiation Award (ACURA). \$20,775, 2008-2009.

**Loblaw DA**, Faria S, Lukka H, Pickles T, Klotz L, **Cheung P**, Pritchard K, Koru-Sengul T, Levine M. A randomized comparison of immediate versus deferred androgen deprivation therapy using goserelin for recurrent prostate cancer after radical radiotherapy (ELAAT). AstraZeneca. \$5,650,000, 2006-2020.

**Loblaw DA**, Fleshner N. Educational grant for CME event, new insights into old controversies in prostate cancer. AstraZeneca. \$15,500, 2008.

Loiselle C, **Wiljer D**, Friedman A. Oncology interactive navigator: A pilot study. Canadian Partnership Against Cancer (CPAC) Grant. \$24,052, 2009-2010.

Luke R, Attack L, **Catton P**, Wathen N, **Wiljer D**, Friedman A, Neill S, O'Grady L, **Nyhof-Young J**, Secord S, Treviranus J, Urowitz S. Advanced Patient Education for Cancer Survivorship (APECS): Using the internet to build and maintain a community of survivors. Social Sciences and Humanities Research Council of Canada (SSHRC). \$142,900, 2007-2011.

Luke R, Attack L, **Catton P**, Friedman A, Neil S, **Nyhof-Young J**, O'Grady L, Secord S, Treviranus J, Urowitz S, Wathen N, **Wiljer D**. Advanced patient education for cancer survivorship APEXS. Social Sciences and Humanities Research Council of Canada (SSHRC). \$142,900, 2007-2009.

Luke R, **Nyhof-Young J**, Secord S, Urowitz, S, **Wiljer D**, **Catton P**. STEPping Stones: A blended learning program for the breast cancer Survivorship Transition to Employment Project (STEP). Canadian Council on Learning (CCL) Work and Learning. \$70,000, 2006-2008.

**McGowan T**. Study E.3.30.24 of the IAEA, Vienna Austria: Optimizing treatment of cervix cancer using radiotherapy and analysis of virally associated cellular resistance. Cervix (4-arm randomized trial testing chemo-radiation plus HDR brachytherapy, for survival, toxicity and tumour markers). US \$300,000.00, 2005-2010.

**Ménard C, Yeung I**. MRI Guided and tumor targeted HDR brachytherapy for recurrent prostate cancer. Natural Institute of Health. \$272,240, 2007-2009.

**Ménard C, Brock K, Chung P**, Damyanovich A, Evans, A, Masoom H, **Jaffray DA**, Lockwood G. MRI guided and tumor targeted HDR brachytherapy for recurrent prostate cancer. National Institute of Health (NIH). \$274,000, 2008-2010.

**Ménard C, Brock K**. Integration of diagnostic and interventional MRI for the study of persistent prostate cancer after external beam radiotherapy. Department of Defense Prostate



Cancer Research Program, Department of Defense Congressionally Directed Medical Research Program (CDMRP) FY05. US \$294,600, 2005- 2008.

**Ménard C, Chung P, Catton C, Bayley A, Craig T.** Advanced image guidance will improve toxicity outcomes for patients with prostate cancer: A prospective study. Abbott-CARO Uro-Oncologic Radiation Award (ACURA). \$19,300, 2007-2009.

**Ménard C,** Haider M, **Milosevic M,** Toi A, Fleshner N, Damyrovich A, **Brock K,** Kucharczyk W, Syed A. Integration of diagnostic and interventional MRI for the study of persistent prostate cancer after external beam radiotherapy. Department of Defense Congressionally Directed Medical Research Program (CDMRP) FY05. US \$294,600, 2005-2009.

**Ménard C, Sun A.** Hippocampal radiation exposure and memory: A pilot study. Brain Tumour Foundation. \$25,000.00, 2007-present.

**Ménard C.** Hippocampal radiosurgery exposure and memory. Brain Tumor Foundation of Canada. \$22,950, 2007-2009.

**Ménard C.** IG-IMRT after radical prostatectomy. Royal Victoria Hospital Foundation – Motorcycle Ride for Dad Grant. \$40,000, 2007-2009.

**Ménard C.** Individualized therapy for patients with prostate cancer by integrating interventional MRI in the radiotherapy planning process. Canadian Institutes of Health Research (CIHR) New Investigator Award. \$300,000, 2007-2012.

**Milosevic M, Brade A,** Moore M, Tannock I, Sridhar K, **Breen S, Warde P, Catton C, Bayley A, Chung P.** A phase I/II study of sorafenib and radiation in patients with advanced renal cell carcinoma and symptomatic bony metastases. Bayer Canada. \$228,000, 2008-present.

**Milosevic M, Bristow R,** Lam W, Jurisica I. Genomic alterations and DNA repair as predictors of intermediate risk prostate cancer radiotherapy outcome. Ontario Institute for Cancer Research (OICR). \$193,282, 2009-2011.

**Milosevic M, Catton P,** Devins G, Gallie B, **Hodgson D,** Howell D, Jadad A, Luke R, Rodin G, **Wiljer D.** The electronic living laboratory for interdisciplinary cancer survivorship research: Bridging the gap for chronic cancer care (ELLICSR). Canadian Foundation for Innovation (CFI), Ontario Innovation Trust. \$1,199,700, 2007-2009.

**Milosevic M,** Kohandel M, Sivaloganathan S, Oza A, **Jaffray D, Hill R, Yeung I.** Dynamics of multi-modal anti-angiogenic, anti-vascular and cytotoxic therapies: Potential for significant clinical impact. Collaborative Health Research Program (CHRP) of Canadian Institutes of Health Research (CIHR) and Natural Sciences & Engineering Research Council Canada (NSERC). \$425,973, 2007-2009.

**Milosevic M, Oza A.** et al. Early therapeutics development with a phase II emphasis (NIH/NCI Investigational New Drug Phase II Consortium). US National Cancer Institute. US \$7,475,000, 2006-2011.

**Milosevic M, Siu L.** et al. Early clinical trials of new anti-cancer agents with Phase I emphasis (NIH/NCI Investigational New Drug Phase I Consortium). US National Cancer Institute. US \$3,141, 2008-2013.

**Gospodarowicz M, Sobin L.** Collaboration for improving standardized cancer TNM staging system. Centers for Disease Control (CDC). \$175,000, 2008-2009.

**Morton G, Chung H, Czarnota G, Batchelar D,** Davidson M, Ravi A. A pilot study of advanced ultrasound imaging for real time intra-operative HDR brachytherapy of prostate cancer. Royal Victoria Hospital Foundation – Motorcycle Ride for Dad Grant. \$53,700, 2008.

**Morton G, Batchelar D,** Davidson M, **Czarnota G, Chung H.** A pilot study of advanced ultrasound imaging for real-time intra-operative high-dose rate brachytherapy of prostate cancer. The Motorcycle Ride for Dad Foundation. \$55000, 2009.

**Morton G, Chung H, Loblaw A, Pignol JP, Czarnota G, Batchelar D,** Davidson M, Ravi A. A pilot study of advanced ultrasound imaging for real-time intra-operative high dose-rate Brachytherapy of prostate cancer. Motorcycle Ride for Dad, Prostate Cancer Research Grant. \$53,700, 2009-2010.

**Nyhof-Young J,** Johnson I. Promoting research excellence: The DOCH 2 website for medical students. Information Technology Course Development Fund (ITCDF), University of Toronto. \$20,000, 2006-2009.

**Nyhof-Young J,** Urowitz S, Friedman A. Measuring patient satisfaction with care at Princess Margaret Hospital: Survey development project. Ambulatory Care Department, Princess Margaret Hospital. \$5,000, 2008-2009.

Okunieff P, **Hill RP, Bristow RG.** Assessing skin exposure by measuring DNA damage in skin cells. National Institute of Allergy and Infectious Diseases (NIAID) Centers for Medical Measures against Radiation. \$1,240,210, 2005-2010.

**Pang G,** Kasap S. A rapid and low-dose megavoltage X-ray tomographic imaging system for image-guided radiotherapy of lung cancer: Development of a novel detector. Canadian Institutes of Health Research (CIHR). \$44,118, 2009.

**Pang G,** Kasap S. A rapid and low-dose megavoltage X-ray tomographic imaging system for image-guided radiotherapy of lung cancer. Canadian Institutes of Health Research (CIHR) operating grant program. \$87,376, 2008.

**Pang G, Rowlands JA, O'Brien P.** Near real-time cone beam digital tomosynthesis. Siemens Oncology Care Systems. US \$50,000, 2007-2008.

**Pang G.** Development of a novel cerenkov x-ray detector for image-guided radiotherapy. Natural Sciences and Engineering Research Council of Canada (NSERC) Individual Discovery Grant Program. \$100,000, 2005-2011.

**Parker K, Gropper R, Harnett N.** Simulation enhanced learning and clinical competence-phase II. Health Canada Grant. \$75,000, 2008-2009.

Parker K, Gropper R, **Harnett N.** Simulation enhanced learning and clinical competence - phase III. Health Canada Grant. \$87,400, 2009-2010.

**Paszat L,** Holloway C, Jong R, **Rakovitch E,** Sutradhar A. Survivorship question: Does surveillance mammography after the treatment of unilateral primary breast cancer reduce the odds of dying from breast Cancer? Canadian Institutes of Health Research (CIHR). \$136,359, 2009-2011.

Pater JL, Eisenhauer E, Shepherd L, Seymour L, O'Callaghan C, Parulekar W, Tu D, Ding K, Li D, Batist G, **Bezjak A,** Bramwell V, Brundage M, Cairncross G, Compton C, Coyle D, Dixon P, Dudgeon D, El-Sayed S, Evans W, Gleave M, Mason W, Meyer R, Moore M, Oza A, Pritchard K, Shepherd F, Smylie M, Stuart G, Whelan T, **Wong R.** National Cancer Institute Clinical Trials Group Major Program Grant. National Cancer Institute (NCI). \$3,700,000, 2004-2009.

Peacock S, Sutcliffe S, Elwood, Gallagher R, Browman G, McBride M, Doll R, Sullivan T, Sawka C, Culyer T, Dobrow M, Barer M, Evans B, Morgan S, Krahn M, Hoch J, **Ringash J,** Upshur R, Gibson J, Berry S, Harvey B, Mittman N, Henry D, **Barbera L, Hodgson D.** The Centre for Health Economics, Services, Policy and Ethics Research in Cancer Control. National Cancer Institute of Canada (NCIC). \$3,599,384, 2009.

Penniment M, **Wong R,** Harvey J, Walpole E, Ngan S, Kneebone A, Beller E, Shakespeare T, Byram D. What is the value of radiotherapy in improving the quality of life of patients with advanced esophageal cancer? Does chemotherapy add value? A phase III international randomized trial. National Health & Medical Research Council Australia (NHMRC). AUD \$232,000, 2004-2009.

Perry J, Oh J, **Tsao M,** Sanghera P, **Sahgal A,** Symons S. Patterns of relapse for patients with glioblastoma treated in the “Stupp” era of chemoradiation. Brain Tumour Foundation of Canada. \$15,000, 2008.

Pettersen E, **Wouters B.** Metastatic tumours facilitated by hypoxic microenvironments Metoxia. European Union, 7th Framework Program – Integrated Project. 664,240, 2009-2014.

**Bissonnette J-P, Sun A.** Prospective Study of 4DCT and 4DPET imaging during a course of radical radiotherapy to monitor tumour response and predict treatment outcome for non-small cell lung cancer. Canadian Cancer Society (CCS) Ontario Division, Lung Cancer Research Grant. \$138,764.00, 2009-2011.

**Pignol JP, Caldwell C, Czarnota G, Burns P, Mah K, Morton G, Rakovitch E, Rowlands J, Thomas G, Wong S.** Image guided brachytherapy. Sunnybrook Health Sciences Centre Foundation. \$2,000,000, 2007-2011.

**Pignol JP, Caldwell C, Keller B, Beachey D, Reznik A.** On line Gamma-camera imaging of 103-palladium seeds (OGIPS) for permanent breast seed implantation. Canadian Breast Cancer Foundation, Ontario Chapter. \$297,300, 2006-2009.

**Pignol JP, Rakovitch E, Caudrelier JM, Paszat L, Keller B, Cygler J.** A phase II study of adjuvant Permanent Breast Seed Implant (PBSI) for Ductal Carcinoma In Situ (DCIS). Canadian Breast Cancer Research Alliance. \$448,340, 2008-2011.

**Pignol JP.** A multicentre registry study of Permanent Breast Seed Implant (PBSI) for early stage breast cancers. Sunnybrook Health Sciences Centre Foundation. \$300,000, 2008-2010.

**Pignol JP.** Image guided brachytherapy. Poker Hold 'Em for Life'. \$235,000, 2008.

**Poon I, Caldwell C, Wright J, Jager P, Pugachev A, Higgins K, Enepekides D.** The individualization of radical radiation treatment with the use of intra-treatment 2-(F-18) Flouro-2-Deoxy-D-Glucose (FDG) positron emission tomography in advanced head and neck cancer. Ontario Institute for Cancer Research (OICR) \$689,814.45, 2008-2011.

**Poon I, Higgins K, Enepekides D, Roswell C.** RAD51 expression predicts radiosensitivity in squamous cell carcinoma of the head and neck and can be down-regulated by Vitamin D3. Canadian Association of Radiation Oncology (CARO), RAZCER Grant Program. \$16,873, 2008-2009.

**Poon I, Higgins K, Raphael S, Khaouam, N, Yaffe, M, Symons S, Ehrlich L.** A comparison of whole-specimen three dimensional digital histopathology with pre-operative imaging in the delineation of gross tumor volume for oral cavity cancer. The PET/CT Research Fund. \$25,000, 2006-2009.

**Purdie T, Dinniwell R.** Automating the breast radiation therapy process to improve efficiency and reduce treatment related toxicity. Canadian Breast Cancer Research Alliance (CBCRA) Operating Grant. \$209,460, 2009.

**Purdie T, Sharpe MB, Dinniwell R.** Improving patient access to breast intensity modulated radiation therapy using an on-line approach. Princess Margaret Hospital Foundation. Weekend Walkers Breast Cancer Innovation Fund (WWBCIF). \$76,723, 2008.

**Purdie TG, Dinniwell R, Letourneau D, Jaffray DA, Sharpe MB.** Automating the breast radiation therapy process to improve efficiency and reduce treatment related toxicity. Canadian Breast Cancer Research Alliance (CBCRA) Operating Grant. \$209,460 2009-present.

**Purdie TG, Sharpe MB, Dinniwell RE, Letourneau D, Jaffray DA.** Automating the breast radiation therapy process to improve efficiency and reduce treatment related toxicity.

National Cancer Institute of Canada (NCIC), Canadian Breast Cancer Research Alliance (CBCRA). \$209,460, 2009-2011.

Quan ML, **Rakovitch E**, Baxter N, **Paszat L**, Warner E, Sawka C, Wright F, Hanna W, Saad R. Should all young women (<35) be treated with mastectomy? Canadian Breast Cancer Foundation. \$287,575, 2008-2011.

Rabeneck L, **Paszat L**, Bondy S, Stukel T, Law C, Hsieh E, Marshall D, McLaughlin J, Kim Y-I. Risk of advanced proximal neoplasia of the colon in asymptomatic adults. Canadian Institutes of Health Research (CIHR). \$952,659, 2005-2009.

Rabeneck L, **Paszat L**, Bathe O, Baxter N, Brouwers M, Dobrow M, Hilsden R, Hoch J, McGregor E, Ritvo P, Rostom A, Stukel T, Casebeer A, Sutradhar R. CIHR team in population-based colorectal cancer screening. Canadian Institutes of Health Research (CIHR). \$2,443,467, 2007-2012.

Rabeneck L, **Paszat L**, Baxter N. New or missed colorectal cancer after colonoscopy. American College of Gastroenterology (ACG). \$147,400, 2007-2008.

**Rakovitch E**, **Paszat L**, Hanna W, **Pignol JP**, Done S, Kahn H, Goodwin P, Wong J, Holloway C, Quan ML, Gravel D, SenGupta S, Elavathil L, Tuck A, Escott N, Bonin M, Zhang L. Predictors of local recurrence in ductal carcinoma in situ: A population-based outcomes analysis. Canadian Breast Cancer Research Alliance (CBCRA). \$1,274,373, 2007-2012.

**Rakovitch E**, **Paszat L**, Hanna W, **Pignol JP**, Kahn H, Quan ML, Wong J, **Ackerman I**. Lobular carcinoma in situ: A population-based analysis. Canadian Breast Cancer Research Alliance (CBCRA). \$622,921, 2006-2009.

**Rakovitch E**, **Paszat L**, Hanna W, **Pignol JP**, Kahn H, Quan ML, Wong J, **Ackerman I**. Lobular carcinoma in situ. Canadian Breast Cancer Research Alliance (CBCRA). \$585,545, 2006-2010.

Reilly R, **Pignol JP**, Cai Z, Allen C. X-ray-activated and trastuzumab-targeted gold nanoparticles for radiotherapy of locally advanced breast cancer. Canadian Breast Cancer Research Alliance (CBCRA). \$408,866, 2008-2011.

Rosemary M, Davis A, Fehlings M, **Ringash J**, Streiner D. Psychometric testing of a new scale measuring medical outcomes of dysphagia (MOD) in adult patients with swallowing disorders secondary to stroke, spinal injury and head and neck cancer. Canadian Institute for Health Research (CIHR). \$430,461, 2009-present.

Rottapel R, **Wouters B**. Cluster II: DNA damage and stress response in cancer: Selective Therapies Program. Terry Fox Research Institute, Ontario Institute for Cancer Research (OICR). \$39,000, 2008-2009.

**Rowlands JA.** Novel positron emission tomography detectors. Philips Medical Systems Inc., Anrad Corp., CPI Corp., Industrial Chair. \$200,000, 2009-2013.

**Rowlands JA,** Reznik A, Kasap SO. A novel solid-state PET detector for simultaneous PET and MR imaging. Canadian Institutes of Health Research (CIHR). \$339,768, 2006-2009.

**Rowlands JA.** A novel high gain detector for breast cancer dedicated PET imager. Cancer Imaging Network of Ontario (CINO). \$69,825 pa (Total: \$139,650), 2007-2009.

**Rowlands JA.** Low cost digital mammography system. Anrad Corporation, matching operating funds for a future. Natural Sciences & Engineering Research Council Canada (NSERC) Collaborative Research Development (CRD). \$50,000, 2009-2013.

Sanche L, Paquette B, **Pignol JP.** Investigations of low energy electron damage to cellular constituents: Application to radiotherapy. Canadian Institutes of Health Research (CIHR). \$673,864, 2006-2010.

**Sharpe MB, Kim J, Catton P, Gospodarowicz M.** IMRT in theory and clinical practice: A continuing education course. Cancer Care Ontario (CCO). \$160,000, 2008-present.

**Siewersdsen JH, Brock K.** High-performance Cone-Beam CT guidance of head and neck surgery. National Institutes of Health (NIH), R01. US \$760,000, 2007-2011.

**Siewersdsen J, Irish JC** Guided therapeutics (GTx): Translational Research Image-Guided OR (TRIGOR-A). Infrastructure for image-guided surgery, focusing on the development of a cone-beam CT-capable C-arm for use in clinical research trials. Princess Margaret Hospital Foundation Targeted Fundraising: Cone-Beam CT for Image-Guided Surgery. \$400,000, 2006-2009.

**Siewersdsen J, Irish JC.** Guided Therapeutics (GTx): Translational Research Image-Guided OR (TRIGOR-A). Infrastructure and operational support for development of a dedicated research OR for advanced image-guided procedures. Support includes two full-time engineers for research and development of imaging and navigation technologies. Princess Margaret Hospital Foundation Targeted Fundraising – Engineering for Guided Therapeutics. \$800,000, 2006-2009.

**Siewersdsen J, Irish JC.** Cone-beam CT for image-guided surgery. Research, development, and translation to clinical trials involving advanced technologies for image-guided interventions. Emphasis is on 3D intraoperative imaging and navigation suitable for research trials in human subjects. Princess Margaret Hospital Foundation Targeted Fundraising – Guided Therapeutics Operational Support. \$600,000, 2006-2009.

**Siewersdsen J.** High-performance Cone-beam CT guidance of head and neck surgery. Development of an integrated cone-beam CT guidance system for head and neck surgery. Quantitation of surgical performance improvement under various guidance modalities. Deployment in clinical research trials. National Institutes of Health (NIH) – R01 Research Grant US \$1,000,000, 2007-2011.

**Siewersdsen J.** High-performance dual-energy imaging for diagnostic and image-guided procedures. Development of novel multi-spectral x-ray image decomposition techniques and investigation of imaging performance in diagnostic and image-guided procedures. Canadian Institutes of Health Research (CIHR) New Investigator Award (#167097). \$300,000, 2007-2012.

**Siewersdsen J.** High-performance dual-energy X-Ray imaging with flat-panel detectors- II imaging physics investigation of dual-energy imaging. Development of advanced dual-energy decomposition methods, analysis of diagnostic performance, and investigation of advanced applications. Industry Research Partnership–Kodak Health Imaging (Carestream Health Inc.). US \$500,000, 2007-2009.

**Siewersdsen J.** Image science for the new X-ray: Taking NEQ to task. Development of task-driven descriptions of imaging performance for advanced imaging modalities (dual-energy imaging, tomosynthesis, and cone-beam CT) in diagnostic and image-guided procedures. National Institutes of Health (NIH)– R01 Research Grant. US \$1,000,000, 2006-2010.

Singh S, **Paszat L, McGowan TS**, Goldwasser M, Przybysz R, Irish J, **Barbera L.** Waiting times for radiation therapy in Ontario and associated cancer outcomes. National Cancer Institute of Canada (NCIC). \$392,373, 2007-2010.

Siu L, **Brade A.** Early clinical trials of new anti-cancer agents with phase I emphasis (NIH/NCI Investigational New Drug Phase I Consortium). US National Cancer Institute. US \$628,383, 2008-2013.

Siu L, **Fyles A.** Early clinical trials of new anti-cancer agents with phase I emphasis (U01). US National Cancer Institute (NCI). US \$3,141,916, 2008-2013.

Stuart Peacock S, Jeffrey Hoch J, **Barbera L**, Barer M, Berry S, Browman G, Culyer T, Dobrow M, Doll R, Elwood M, Fassbender K, Gallagher R, Gibson J, Hagen N, Harvey B, Henry D, Hodgson D, Krahn M, Lemieux-Charles L, McBride M, Mittman N, Morgan S, **Ringash J**, Sullivan T, Sawka C, Sutcliffe S, Upshur R. Health Economics, Services, Policy and Ethics (HESPE). CCS-RI grant. \$3,600,000, 2008-2009.

**Sun A, Breen S, Bezjak A**, Kane G, **Payne D, Cho J, Brade A, Vines D, Purdie T**, Young S. A pilot prospective study of FDG-PET-CT imaging utility in radiotherapy treatment planning and assessment in all stages and histological types of lung cancer. Phillips Medical Systems. \$124,000, 2007-2009.

**Sun A.** A pilot prospective study of FDG-PET-CT imaging utility in radiotherapy treatment planning and assessment in all stages and histological types of lung cancer. Funded by Phillips Medical Systems. \$124,000.00, 2007-2009.

**Szumacher E, Paszat L**, Angus J, Metcalfe K, Whelan T, Llewellyn-Thomas H. The development of the decision-aid investing patients' preferences for adjuvant radiotherapy and antiestrogen therapy versus antiestrogen therapy alone in patients 70 years or older with

stage I, EP/PR positive, invasive breast cancer. Canadian Breast Cancer Foundation (CBCF). \$121,076, 2008-2010.

**Szumacher E.** Veronique Benk Professorship Grant–Education. Sanofi Aventis. \$16,000, 2007-2009.

Tang C, **Loblaw DA**, Klotz L. The role of bound prostate specific antigen in predicting risk of progression in the active surveillance population with low risk localized prostate cancer. CUOG - AstraZeneca Fellowship Award. \$9,940, 2007-2008.

Tinmouth J, **Paszat L**, Rabeneck L, Baxter N, Cohen L, Sutradhar S, Angus H, Dobrow M, Jeejeebhoy KN, Murray I, Nijhawan PK. Assessing the quality of colonoscopy: validation of quality indicators. Canadian Cancer Society Research Institute - formerly National Cancer Institute of Canada (NCIC). \$165,863, 2009-2014.

Tinmouth J, **Paszat L**, Rabeneck L. Esophageal adenocarcinoma in Ontario: Trends, Risk factors and health services utilization. Canadian Institutes of Health Research (CIHR) \$120,000, 2007-2009.

Tinmouth J, **Paszat L**. Trends in the incidence of and mortality from epidermoid anal cancer in the Province of Ontario. University of Toronto Dean's Fund. \$10,000, 2005-2010.

**Tsao M, Bristow R**, Done S, Hedley D, **Hill R**, Khokha R, Lepock J, Lilge L, **Liu F-F**, Squire J, Wilson B. Equipment maintenance support for oncologic molecular micro-imaging (OMM). Canadian Institutes of Health Research (CIHR). \$400,000, 2005-2010.

Urowitz S, **Wiljer D**. Meeting planning and dissemination grant: Innovative symptom management in cancer care. Canadian Institutes of Health Research (CIHR)-IHSPR Partnership in Health System Improvement. \$15,000, 2009-2010.

**Vitkin A, Levin W**. Optical coherence tomographic imaging for monitoring radiation complications in the colon. Collaborative Health Research Projects Award (CHRP). \$475,000.00, 2008-2011.

**Vitkin A**. Endoscopic doppler OCT for gastrointestinal imaging. Canadian Institutes of Health Research (CIHR). \$115,000, 2005-2009.

**Vitkin A**. Optical Coherence tomographic imaging for monitoring radiotherapy complications in the rectum. Natural Sciences & Engineering Research Council Canada (NSERC), Canadian Institutes of Health Research (CIHR) Collaborative Health Research Program. \$152,000, 2009-2012.

**Vitkin A**. Spectral turbid polarimetry in birefringent turbid chiral media. Natural Sciences & Engineering Research Council Canada (NSERC). \$41,000, 2007-2012.



**Vitkin A.** Towards cellular and microvascular subsurface tissue imaging in-vivo Using optical coherence tomography. Premier's Research Excellence Award (Government of Ontario). \$30,000, 2003-2008.

**Waldron J, Gilbert R.** A prospective cohort study to determine the sensitivity of Positron Emission Tomography (PET) in detecting metastatic cancer in neck lymph nodes in patients with squamous cell head & neck cancer managed with primary radiation therapy. Cancer Care Ontario/ Ministry of Health and Long-Term Care (MOHLTC) operating grant. \$300,000, 2003-2008.

**Warde P. Bayley A.** A randomized Phase III study of neoadjuvant hormonal therapy in patients with localized prostate cancer treated with escalated dose radiation therapy. Astra Zeneca. \$250,000, 2000-2009.

**Warde P.** Phase III randomized trial comparing total androgen blockage versus total androgen blockage plus irradiation in clinical stage T3-T4, N0, M0 adenocarcinoma of the prostate. National Cancer Institute of Canada Clinical Trials Group / Eastern Co-operative Oncology Group / South Western Oncology Group / Medical Research Council. \$845,000, 1995-2009.

Whelan T, Julian J, Levine M, **Pignol JP**, Shelley W, Anand S, Chong N, **Fyles A**, Schneider K, Lukka H, Bowen J, Perera F, Gulavita S, Freeman C, Grimard L. Long term outcomes of a randomised trial of breast irradiation schedules after lumpectomy in women with node negative breast cancer. Canadian Breast Cancer Research Alliance (CBCRA). \$1,415,000, 2003-2009.

Whelan T, Levine M, O'Malley F, Andrulis I, Pritchard K, Lytwyn A, Elavathil L, Koru-Sengal T, **Pignol JP**, Hayes D. Identification of biomarkers that predict response to accelerated hypofractionated radiation therapy in breast cancer. Canadian Breast Cancer Foundation, Ontario Chapter. \$445,454, 2007-2010.

Whelan W, **Vitkin A.** Optical monitoring and control of focal laser thermal therapy of prostate cancer. National Cancer Institute of Canada (NCIC). \$91,000, 2007-2010.

**Wiljer D, Catton P,** Luke R, Urowitz S, Chafrańskaia A. Lymph-Line: A feasibility study for online lymphedema Care. Canadian Breast Cancer Research Alliance (CBCR), DEX Grant. \$47,550.64, 2006-2008.

**Wong CS.** Mechanisms of radiation injury in the central nervous system. National Cancer Institute of Canada (NCIC). \$747,730, 2005-2010.

**Wong CS.** Positron emission tomography (PET) evaluation study - Sunnybrook site. Ministry of Health and Long-Term Care Research Grant. \$130,000, 2006-2008.

**Wong CS.** The neuroprotective role of erythropoietin in radiation-induced CNS injury. Ontario Cancer Research Network (OCRN). \$526,893, 2005-2008.

**Wong CS.** Tissue protective peptide in radiation-induced brain injury. Araim Pharmaceuticals Inc. US \$10,665, 2007-2008.

**Wong R,** Ferguson P, Wunder J, Wang L, Potter A. Evaluating the clinical outcomes of patients with femoral metastases at high risk of fracture. Kerbel Research Fund (100 patients). \$5,000, 2009-present.

**Wong R,** Fitzpatrick D, **Bezjak A, Levin W, Mclean M, Millar BA, Dinniwell R,** Holwell M, Vloet A, Wang L. Evaluation of the clinical and dosimetric impact of CT Simulation with Fluoroscopy based radiotherapy planning for the treatment of bone metastases. Kerbel Research Fund (100 patients). \$5000, 2008-2009.

**Wong R,** Kitamura C, **Bezjak A, Levin W, Mclean M, Millar BA, Dinniwell R.** Evaluating the feasibility and clinical impact of telemedicine for consultation and follow up in patients referred for palliative radiotherapy. Kerbel Research Fund (100 patients). \$5000, 2008-2009.

**Wong R,** Ng D, Williams D, **Mclean M, Bezjak A, Millar BA, Chung P, Cho J, Nyhof Young J.** A qualitative study on the use of short stories as educational material for patients with brain metastases and their caregivers. Kerbel Research Fund. (60 Patients). \$5000, 2004-2008.

**Wouters B, Brade A.** Identification of lung cancer mutations that contribute to treatment response: A pilot study. Princess Margaret Hospital Foundation Invest in Research. \$100,000, 2009-2010.

**Wouters B, Hope A, Bristow R,** Tsao M. Identification of lung cancer mutations that contribute to treatment response: A pilot study. PMH Invest in Research Grant Funding. \$100,000, 2009-2010.

**Wouters B, Tsao M, Liu G, Brade A, Bezjak A, Bristow R, Hope A.** Identification of lung cancer mutations that contribute to treatment response: A pilot study by the Princess Margaret Hospital Foundation Invest in Research Program. 100,000, 2009-2010.

**Wouters B.** Hypoxic regulation of ER stress responses and their exploitation for cancer therapy. Dutch Cancer Society (KWF). \$385,766, 2008-2010.

**Wouters B.** Identification of lung cancer mutations that contribute to treatment response: A Pilot Study. The Ontario Cancer Institute (OCI). \$100,000, 2009-2010.

**Wouters B.** Deregulation of mTOR and HIF1 as a cause of Birt-Hogg-Dubé syndrome. Profileringsfonds -- Academic Hospital Maastricht (AZM). (Euro) 150,600, 2007-2010.

**Wouters B.** The role of hypoxic adaptation through microRNA translation regulation in breast cancer. The Weekend to End Breast Cancer. \$84,655, 2008-2009.

Wright G, **Rowlands JA**. Imaging for cardiovascular therapeutics. Ontario Research Fund (ORF) Research Excellence (RE). \$14,490,484, 2007-2013.

Wright JG, Hetherington CR, Lupea D, Nicholas DB, **Nyhof-Young J**, Willan AR. Improving education and coping of scoliosis patients undergoing surgery and their families using e-health. Canadian Institutes of Health Research (CIHR) Operating Grant Program. \$240,363, 2006-2009.

Yaffe M, **Brock K**. Pathology validation. Ontario Institute for Cancer Research (OICR). \$702,092, 2008-2012.

**Yeboah C**. Development of magnetically-confined very high energy laser-accelerated electron beam therapy. University of Toronto Dean's Fund. \$10,000, 2006-2010.

Yee A, Whyne C, Akens M, **Sahgal A, Chow E**, Wilson B, Bisland S, Clemons M. A Phase I Trial on the use of PDT in the treatment of breast cancer vertebral metastasis. Canadian Breast Cancer Foundation. \$300,850, 2009-2012.

Yee A, Whyne C, Akens M, **Sahgal A, Chow E**, Wilson B, Bisland S, Clemons M. A Phase 1 Trial on the use of PDT in the treatment of Breast Cancer Vertebral Metastases. Canadian Breast Cancer Foundation. \$729,750, 2009.

**Yeung I**. Dynamic Contrast Enhanced Breast CBCT- in project "1 mm Challenge". Ontario Institute of Cancer Research (OICR). \$25,000, 2008-2009.

**Yeung I**. Hypoxia in tumors: clinical and experimental studies. National Cancer Institute of Canada (NCIC) Project Program. (PI of Project 4 - \$605,150) \$5,161,165, 2004-2009.

**Yeung I**. On-line perfusion measurement with contrast enhanced Cone-Beam CT in radiation therapy. Canadian Institute of Health Research (CIHR). \$109,628, 2007-2009.

**Yeung I**. Radiation-induced lung damage: Volume effects and mitigation. Canadian Institute of Health Research (CIHR). \$546,796, 2005-2009.

**Yeung I**. Tumor Perfusion Assessment Tool - in project "Clinical Trials Platform". Ontario Institute of Cancer Research (OICR). \$262,300, 2008-2010.

**Yeung I, Jaffray DA, Cho Y, Dawson L**. 2 years study on On-line perfusion measurement with contrast enhanced cone-beam CT in radiation therapy. Canadian Institutes of Health Research (CIHR). \$76,000, 2006-2008.

## Publications

### Peer Reviewed Publications

Aerts HJ, Dubois L, Perk L, van Dongen G, **Wouters BG**, Lambin P. Disparity between in vivo EGFR expression and Zirconium-89-labeled Cetuximab uptake assessed with PET. *J Nuclear Med* 50(1):123-131, 2009.

Alajez N, Mocanu J, Shi W, Chia M, Breitbart CJ, Hui A, Knowles S, Bell J, Busson P, Takada K, Lo K-W, **O'Sullivan B**, Gullane P, **Liu FF**. Efficacy of systemically administered mutant Vesicular Stomatitis Virus (VSVD51) combined with radiation for nasopharyngeal carcinoma. *Clin Cancer Res* 14:4891-4897, 2008.

Ali M, Kim H, Cleary S, Gallinger S, Cupples, C, **Bristow R**. Characterization of mutant MUTYH proteins associated with familial colorectal cancer. *Gastroenterology* 135(2):499-507, 2008.

Alibhai SMH, Leach M, **Warde P**. Major 30-day complications after radical radiotherapy: a population-based analysis and comparison with surgery. *Cancer* 115(2):293-301, 2009.

Alibhai SM, Mahmoud S, Hussain F, Naglie G, Tannock I, Tomlinson G, Fleshner N, Krahn M, **Warde P**, Klotz L, Breunis H, Leach M, Canning SD. Levels of sex hormones has limited effect on cognition in older men with or without prostate cancer. *Crit Rev Oncol Hematol* (published online April 2009).

Amin M, Norrlinger B, **Heaton R**, **Islam M**. Image guided IMRT dosimetry using anatomy specific MOSFET configuration. *J Appl Clin Med Phys* 9: 69-81, 2008.

Anraku M, Waddell TK, de Perrot M, Lewis SJ, Pierre AF, Darling GE, Johnston MR, Zener RE, Rampersaud YR, Shepherd FA, Leighl N, **Bezjak A**, **Sun AY**, Hwang DM, **Tsao MS**, Keshavjee S. Induction chemoradiotherapy facilitates radical resection of T4 non-small cell lung cancer invading the spine. *J Thorac Cardiovasc Surg* 137(2): 441-447, 2009.

Attias D, **Hodgson D**, Weitzman S. Primary mediastinal B-cell lymphoma in the pediatric patient: Can a rational approach to therapy be based on adult studies? *Pediatr Blood Cancer* 52(5):566-70, 2009.

Bachar G, Goldstein DP, Shah M, Tandon A, **Ringash J**, Pond G, Gullane PJ, Perez-Ordenez B, Gilbert RW, Brown DH, Gentili F, **O'Sullivan B**, Irish JC. Esthesioneuroblastoma: The Princess Margaret Hospital experience. *Head Neck* 30(10): 1607-14, 2008.

Bachar G, Goldstein D, **Tsang R**, Brown D, Irish J. Solitary extramedullary plasmacytoma of the head and neck: long-term outcome analysis of 68 cases. *Head Neck* 30(8): 1012-19, 2008.

Bachar G, Loh KS, **O'Sullivan B**, Goldstein D, Wood S, Brown D, Irish J. Mucosal melanomas of the head and neck: The Princess Margaret Hospital experience. *Head Neck* 30(10): 1325-31, 2008.

Banihashemi B, Vlad R, Debeljevic B, Giles A, Kolios MC and **Czarnota GJ**. Ultrasound imaging of apoptosis in tumour response: Novel pre-clinical monitoring of photodynamic therapy effects. *Cancer Res* 68: 8590-8596, 2008.

**Barbera L, Paszat L**, Qiu F. End of life care in lung cancer patients in Ontario: A population based description of aggressiveness of care and description of hospital admissions. *J Pain Symptom Manage* 35(3): 267-74, 2008.

**Barbera L, Thomas G**. Management of early and locally advanced cervical cancer. *Semin Oncol* 36 (2):155-69, 2009.

**Barnes EA, Chow E, Tsao M**, Bradley NM, Doyle M, Li K, Lam K, **Danjoux C**. Physician's expectation of treatment outcomes for patients with brain metastases referred for whole brain radiotherapy. *Int J Radiat Oncol Biol Phys* (published online April 2009).

Bartolac S, Clackdoyle R, Noo F, **Siewerdsen JH, Moseley DJ, Jaffray DA**. A local shift-variant Fourier model and experimental validation of circular cone-beam computed tomography artifacts. *Med Phys* 36(2): 500-512, 2009.

Baumann M, Krause M, **Hill RP**. Exploring the role of cancer stem cells in radioresistance. *Nat Rev Cancer* 8(7): 545-54, 2008.

**Basran P, Yeboah C**. Dosimetric verification of micro-MLC based intensity modulated radiation therapy. *J Applied Clin Med Phys* 9:1-13, 2008.

Baxi S, Lu JJ, Park E, Choong V, **Chung HT**. Temporal changes in IMRT countouring of organs at risk for nasopharyngeal carcinoma? The learning curve blues and a tool that could help. *Technol Cancer Res Treat* 8(2):131-40, 2009.

Baxter NN, Goldwasser MA, **Paszat LF**, Saskin R, Urbach DR, Rabeneck L. Association of colonoscopy and death from colorectal cancer: A population-based, case-control study. *Ann Intern Med* 150:1-8, 2009.

Bedi H, Mittra G, **Sahgal A**, Pirouzmand F, Bibao J, **Sinclair E**, Fitch A, **Chow E**. Neurosurgical rescue of bradycardia induced by intra-cerebral hypertension. A case report and review of the literature. *J Palliat Med*, 12(6), 2009.

Behzadi A, **Ung YC**, Lowe V, Deschamps C. The role of PET imaging in the management of non-small cell lung cancer. *Can J Surg* 52(3):235-42, 2009.

Beiki-Ardakani A, Jezaioranski J, **Jaffray D, Yeung I**. Improving quality assurance for assembled COMS eye plaques using pinhole gamma camera. *Med Phys* 35(10):4318-23, 2008.

Belev G, Kasap SO, **Rowlands JA**, Hunter D, Yaffe M. Dependence of the electrical properties of stabilized a-Se on the preparation conditions and the development of a double layer X-ray detector structure. *Curr Appl Phys* 8(3-4): 383–387, 2008.

**Bezjak A**, Lee CW, Ding K, Brundage M, Winton T, Graham B, Whitehead M, Johnson DH, Livingston RB, Seymour L, Shepherd FA. Quality of life outcomes for adjuvant chemotherapy in early stage non-small cell lung cancer: results from a randomized trial, JBR.10. *J Clin Oncol* 23(31): 5052-5059, 2008.

Bhogal N, Jalali F, **Bristow RG**. Microscopic imaging of DNA repair foci in irradiated normal tissues. *Int J Radiat Biol* 18:1-15, 2009

**Bissonnette JP**, Franks K, **Purdie T**, **Moseley D**, Sonke JJ, **Jaffray D**, **Dawson L**, **Bezjak A**. Quantifying inter-fraction and intra-fraction tumor motion in lung stereotactic body radiotherapy using respiration-correlated cone beam CT. *Int J Radiat Oncol Biol Phys* (published online April 2009).

**Bissonnette J**, **Moseley D**, White E, **Sharpe M**, **Purdie T**, **Jaffray D**. Quality assurance for the geometric accuracy of cone-beam CT guidance in radiation therapy. *Int J Radiat Oncol Biol Phys* 71:S57-61, 2008.

**Bissonnette JP**, **Purdie TG**, **Higgins JA**, Li W, **Bezjak A**. Cone-beam computed tomographic image guidance for lung cancer radiation therapy. *Int J Radiat Oncol Biol Phys* 73(3): 927-934, 2009.

Bjarnason GA, **MacKenzie RG**, Nabid A, Hodson ID, El-Sayed SM, Grimard LJ, Brundage M, Wright J, Hay JH, Ganguly P, Leong C, Wilson J, Jordan RC, Walker M, Tu D, Parulekar WR. Comparison of toxicity associated with early morning versus late afternoon radiotherapy in patients with head-and-neck cancer: A prospective randomized trial of the National Cancer Institute of Canada Clinical Trials Group ( HN3). *Int J Radiat Oncol Biol Phys* 73(1): 166-172, 2009.

**Bolderston A**, **Harnett N**, **Palmer C**, Wenz, J, **Catton P**. The scholarly therapist part two: developing an academic practice: The Princess Margaret Hospital experience. *J Radiother Pract* 7(2) 105-111, 2008.

**Bolderston A**, Mitchell F, Cowan B, Mawson C. Radiation therapists' experiences with complementary alternative medicine use by their patients: A preliminary study. *J Med Rad Sci* 39(3); 128-134, 2008.

**Bolderston A**, **Palmer C**, **Flanagan W**, McParland N. The experiences of English as a second language radiation therapy students in the undergraduate clinical program: Perceptions of staff and students. *Radiography* 14 (3), 216-225, 2008.

Bootsma G, **Siewerdsen JH**, Daly MJ, **Jaffray DA**. Initial investigation of an automatic registration technique for image-guided surgery. *Conf Proc IEEE Eng Med Biol Soc* 3638-42, 2008.

Bracken J, Lillaney P, Fahrig R, **Rowlands JA**. Closed bore XMR (CBXMR) systems for aortic valve replacement: Investigation of rotating-anode x-ray tube heat loadability. *Med Phys* 35(9): 4049-4062, 2008.

Bracken J, Komljenovic P, Lillaney P, Fahrig R, **Rowlands JA**. Closed-bore XMR (CBXMR) systems for aortic valve replacement: X-ray tube imaging performance. *Med Phys* 36(4): 1086-1097, 2009.

Bradley N, Husted J, Sey M, **Sinclair E**, Li K, Husain A, **Danjoux C**, Barnes T, **Barnes E**, **Tsao M**, **Barbera L**, Harris K, Chiu H, Doyle M, **Chow E**. Did the pattern of practice in the prescription of palliative radiotherapy for the treatment of uncomplicated bone metastases change between 1999 and 2005 at the Rapid Response Radiotherapy Program? *Clin Oncol* 20: 327-336, 2008.

Brand S, Solanki B, Foster D, **Czarnota GJ**, Kolios MC. Monitoring of cell death in epithelial cells using high frequency ultrasound spectroscopy. *Ultrasound Med Biol* 35: 482-493, 2009.

**Breen SL**, **Moseley DJ**, Zhang BB, **Sharpe MB**. Statistical process control for IMRT dosimetric verification. *Med Phys* 35:4417-4425, 2008.

Briceno AC, **Gospodarowicz M**, Jadad AR. Fighting cancer with the internet and social networking. *Lancet Oncol* 9(11):1037-8, 2008.

**Bristow R**. Biomarkers in Clinical Trials Combining Radiotherapy and Molecular Targeted Agents. *Cancer and Metastasis Rev* 27(3):337-8, 2008.

**Bristow RG**, **Hill RP**. DNA repair and genetic instability. *Nat Rev Cancer* 8(3): 180-92, 2008.

**Brock KK**, Hawkins M, **Eccles C**, Moseley J, **Moseley D**, **Dawson L**. Improving image-guided target localization through deformable registration. *Acta Oncol* 47(7): 1279-85, 2008.

**Brock KK**, Nichol AM, **Ménard C**, Moseley JL, **Warde PR**, **Catton CN**, **Jaffray DA**. Accuracy and sensitivity of finite element model-based deformable registration of the prostate. *Med Phys* 35(9):4019-25, 2008.

Brun J, Chiu R, Lockhart K, Xiao W, **Wouters BG**, Gray DA. hMMS2 serves a redundant role in human PCNA polyubiquitination. *BMC Mol Biol* 9: 24, 2008.

**Cashell A**. The key psychosocial issues faced by men with testicular cancer. *J Med Imaging Radiat Sci* 39(2), 64-68, 2008.

Campos S, **Davey P**, Hird A, Pressnail B, Bilbao J, Aviv R, Symons, Pirouzmand F, **Sinclair E**, Culleton E, DeSa E, Goh P, **Chow E**. Brain metastases from unknown primary or primary brain tumor: a diagnostic dilemma. *Curr Oncol* 16(1):71-75, 2009.

Campos S, Zhang L, Salvo N, Hird A, **Tsao M, Barnes E, Danjoux C, Sahgal A**, Mitera G, **Sinclair E**, Nguyen J, Napolskikh J, **Chow E**. Elderly patients with painful bone metastases should be offered palliative radiotherapy. *Int J Radiat Oncol Biol Phys* (published online June 2009).

Campos S, Zhang L, **Sinclair E, Tsao M, Barnes EA, Danjoux C, Sahgal A**, Goh P, Culleton S, Mitera G, **Chow E**. The palliative performance scale: examining its inter-rater reliability in an outpatient palliative radiation oncology clinic. *Support Care Cancer* 17(6):685-90, 2009.

(The) Chemoradiation for Cervical Cancer Meta-analysis Collaboration (CCCMAC) & Vale C, Tierney J, Stewart L, **Thomas G**, Parmar M, Brady M, Trimble T, Jakobsen A and Dinshaw K. Reducing uncertainties about the effects of chemoradiation for cervical cancer: a systematic review and meta-analysis of individual patient data from 18 randomised trials. *J Clin Oncol* 26, 35:5802-5812, 2008.

Chan N, **Koritzinsky M**, Zhao H, Bindra R, Glazer PM, Powell S, Belmaaza A, **Wouters B, Bristow, R.G.** Chronic hypoxia decreases synthesis of homologous recombination proteins to offset chemoresistance and radioresistance. *Cancer Res* 68(2): 605-14, 2008.

Chan P, **Dinniwell R**, Haider MA, **Cho YB, Jaffray D**, Lockwood G, **Levin W, Manchul L, Fyles A, Milosevic M**. Inter- and intrafractional tumor and organ movement in patients with cervical cancer undergoing radiotherapy: a cinematic-MRI point-of-interest study. *Int J Radiat Oncol Biol Phys* 1:70(5): 1507-15, 2008.

Chan Y, **Siewerdsen JH**, Rafferty MA, **Moseley DJ, Jaffray DA**, Irish JC. Cone-beam CT on a mobile C-arm: A novel intraoperative imaging technology for guidance of head and neck surgery. *J Otolaryngol Head Neck Surg* 37(1): 81-90, 2008.

Chaudary N, **Hill RP**. Increased expression of metastasis-related genes in hypoxic cells sorted from cervical and lymph nodal xenograft tumors. *Lab Invest* 89(5): 587-96, 2009.

Cho M, Kim J, **Cho Y**, Youn H, Park S, Cho S, Kim H. CBCT/CBDT equipped with the x-ray projection system for image-guided proton therapy. *Conf Proc SPIE* 7258:72582V, 2009.

Choo R, Pearce A, **Danjoux C, Morton G**, Deboer G, **Szumacher E, Loblaw DA, Cheung P**. Analysis of gastrointestinal and genitourinary morbidity of post-operative radiotherapy for pathologic T3 or positive surgical margins after radical prostatectomy using the NCI Expanded Common Toxicity Criteria. *Int J Radiat Oncol Biol Phys* 72(4): 989-95, 2008.

Choo R, **Cheung P**. Analysis of gastrointestinal and genitourinary morbidity of post-operative radiotherapy for pathologic T3 or positive surgical margins after radical prostatectomy using the NCI expanded common toxicity criteria. *Int J Radiat Biol Phys* 72(4):989-995, 2008.

Choo R, Long J, Gray R, **Morton G**, Gardner S, **Danjoux C**. Prospective survey of sexual function among patients with clinically localized prostate cancer referred for definitive



radiotherapy and the impact of radiotherapy on sexual function. *Support Care Cancer*, (published online June 2009).

Choudhury A, Elliott F, Iles MM, Churchman M, **Bristow R**, Bishop DT, Kiltie AE. Analysis of variants in DNA damage signaling genes in bladder cancer. *BMC Genet* 9:69, 2008.

Choudhury A, Zhao H, Jalali F, Kiltie A, **Bristow RG**. Targeting RAD 51-dependent homologous recombination using imatinib results in enhancement of effects of chemoradiation. *Mol Cancer Ther* 8(1):203-13, 2009.

**Chow E**, Abdoell M, Panzarella T, Harris K, **Bezjak A**, **Warde P**, Tannock I. Predictive model for survival in patients with advanced cancer. *J Clin Oncol* 26(36):5863-9. 2008.

**Chow E**, Abdoell M, Panzarella T, Harris K, **Bezjak A**, **Warde P**, Tannock I. Recursive partitioning analysis of prognostic factors for survival in patients with advanced cancer. *Int J Radiat Oncol Bio Phys* 73(4):1169-1176, 2009.

**Chow E**, Abdoell M, Panzarella T, Harris K, **Bezjak A**, **Warde P**, Tannock I. Validation of a predictive model for survival in metastatic cancer patients attending an outpatient palliative radiotherapy clinic. *Int J Radiat Oncol Biol Phys* 1;73(1):280-287, 2009.

**Chow E**, Hird A, Velikova G, Johnson C, Dewolf L, **Bezjak A**, Wu J, Shafiq J, Sezer O, Kardamakis D, Linden Y, Ma B, Castro M, Foro Arnalot P, Ahmedzai S, Clemons M, Hoskin P, Yee A, Brundage M, Bottomley A on behalf of the EORTC Quality of Life Group. The European Organisation for Research and Treatment of Cancer Quality of Life questionnaire for patients with bone metastases: The EORTC QLQ-BM22. *Euro J Cancer* 45:1146-1152, 2009.

**Chow E**, Hird A, Zhang L, **Sinclair E**, **Danjoux C**, **Barnes E**, **Tsao M**, **Barbera L**, **Wong CS**, Vieth R. Change in urinary markers of osteoclast activity following palliative radiotherapy for bone metastases. *Clin Oncol* 21:336-342, 2009.

**Chow E**, Makhani L, Culleton S, Makhani N, Davis L, Campos S, **Sinclair E**. Would larger radiation fields lead to a faster onset of pain relief in the palliation of bone metastases? *Int J Radiat Oncol Bio Phys* (published online January 6, 2009).

**Chow JCL**, Grigorov GN. Dosimetric dependence of the dimensional characteristics on a lead shield in electron radiotherapy: a Monte Carlo study. *J Appl Clin Med Phys* 10:75-91, 2009.

**Chow JCL**, Grigorov GN. Monte Carlo simulation of backscatter from lead for clinical electron beams using EGSnrc. *Med Phys* 35:1241-1250, 2008.

**Chow JCL**, Grigorov GN. Surface dosimetry for oblique tangential photon beams: A Monte Carlo simulation study. *Med Phys* 35:70-76, 2008.

**Chow JCL**, Grigorov GN, Ross K. Dosimetric changes induced by positional uncertainty of cutout in electron radiotherapy. *J Radiother Pract* 7:133-140 2008.

**Chow JCL**, Leung MKK. A graphical user interface for the external beam treatment planning using Monte Carlo simulation. *J Phys CS*, 102: 1-6, 2008.

**Chow JCL**, Leung MKK. Monte Carlo simulation of MOSFET dosimeter for electron backscatter using the GEANT4 code. *Med Phys* 35: 2383-2390 2008.

**Chow, JCL**, Leung MK, **Islam MK**, Norrlinger BD, **Jaffray DA**. Evaluation of the effect of patient dose from cone beam computed tomography on prostate IMRT using Monte Carlo simulation. *Med Phys* 35(1): 52-60, 2008.

**Chow JCL**, Markel D, Jiang R. Dose-volume histogram analysis in radiotherapy using the Gaussian error function. *Med Phys* 35: 1398-1402, 2008.

**Chow JCL**, Owrangi AM. Depth dependence of electron backscatter: An energy spectral and dosimetry study using Monte Carlo simulation. *Med Phys* 36:594-601 2009.

**Chow JCL**, Owrangi AM. Solid Water as phantom for dosimetry of electron backscatter using low-energy electron beams: A Monte Carlo evaluation. *Med Phys* 36: 1587-1594 2009.

Christensen E, **Menard C**, Evans K, **Bristow R**. Serum and urine proteomic biomarkers in clinical trials of radiotherapy: Practical considerations for a busy clinic. *Cancer Metastasis Rev* 27(3):375-85, 2008.

Chung AD, Ng D, Wang L, Garraway C, **Bezjak A**, **Nyhof-Young J**, **Wong RKS**. Informational Stories: a complementary strategy for patients and caregivers with brain metastases. *Curr Oncol* 16:3, 1-7, 2009.

Chung PW, Dehesi BM, Ferguson PC, Wunder JS, Griffin AM, **Catton CN**, Bell RS, White LM, Kandel RA, **O'Sullivan B**. Radiosensitivity translates into excellent local control in extremity myxoid liposarcoma: A comparison with other soft tissue sarcomas. *Cancer* 115(14): 3254-61, 2009.

**Chung HT**, Xia P, Chan LW, Park E, Roach M. Reply to comments of "Does image-guided radiotherapy (IG-IMRT) improve the toxicity profile in whole pelvic-treated high-risk prostate cancer? A comparison between IG-IMRT and IMRT" in response to Jothybasu et al [letter to the editor]. *Int J Radiat Oncol Biol Phys* 15;72(4):1273; author reply 1273, 2008.

Cleary SP, Cotterchio M, Kim H, Jenkins M, **Bristow R**, Green R, Haile R, Hopper J, LeMarchand L, Lindor N, Parfrey P, Potter J, Younghusband B, Gallinger S. Germline MYH mutations in colorectal cancer: A multi-site, population-based case-control study. *Gastroenterology* 136(4):1251-60, 2009.

Cleven AH, **Wouters BG**, Schutte B, Spiertz AJ, van Engeland M, de Bruine AP. Poorer outcome in stromal HIF-2 alpha- and CA9-positive colorectal adenocarcinomas is associated

with wild-type TP53 but not with BNIP3 promoter hypermethylation or apoptosis. *Br J Cancer* 99(5): 727-33, 2008.

Coburn N, Przybysz R, **Barbera L, Hodgson D**, Sharir S, Laupacis A, Law C. CT MRI and ultrasound scanning rates: Evaluation of cancer diagnosis, staging and surveillance in Ontario. *J Surg Oncol* 98(7): 490-9, 2008.

**Crook J**, Ludgate C, Malone S, Perry G, Eapen L, Bowen J, Robertson S, Lockwood G. Final report of a multicenter Canadian phase III randomized trial of 3 vs 8 months neoadjuvant androgen deprivation prior to conventional dose radiotherapy for clinically localized prostate cancer. *Int J Radiat Oncol Biol Phys* 1;73(2):327-33, 2009.

**Crook J**, Malone S, Perry G, Eapen L, Owen J, Bowen J, Robertson S, Ludgate C, Fung S, Lockwood G. 24-month post radiation prostate biopsies strongly predictive of 7-year disease free survival: results of a Canadian randomized trial. *Cancer* 115(3):673-9, 2009.

Culleton S, de Sa E, Christakis M, Ford M, Zbieranowski I, **Sinclair E, Cheung P**, Campos S, Goh P, **Chow E**. Rare bone metastases of the olecranon. *J Palliat Med* 11(8):1088-1091, 2008.

de Perrot M, Feld R, **Cho BC, Bezjak A**, Anraku M, Burkes R, Roberts H, **Tsao MS**, Leigh N, Keshavjee S, Johnston MR. Trimodality therapy with induction chemotherapy followed by extrapleural pneumonectomy and adjuvant high-dose hemithoracic radiation for malignant pleural mesothelioma. *J Clin Oncol* 27(9): 1413-1418, 2009.

de Sa E, **Sinclair E**, Wong J, **Danjoux C**, Hird A, Hadi S, **Barnes E, Tsao M, Chow E**. Continued success of the Rapid Response Radiotherapy Program: A review of 2004 – 2008. *Support Care Cancer* (published online January 2009).

Dahele M, Hwang D, Peressotti C, Sun L, Kusano M, Okhar S, Darling G, Yaffe M, Caldwell C, **Mah K**, Hornby J, Ehrlich L, Raphael S, **Tsao M, Ung YC**. Developing a methodology for 3-D correlation of PET-CT images and whole-mount histopathology in non-small cell lung cancer. *Curr Oncol* 15(5):1-8, 2008.

Dahele M, Pearson S, Franks K, **Purdie T, Bissonnette JP, Brade A, Cho J, Sun A, Hope A, Bezjak A**. Practical considerations arising from the implementation of lung stereotactic body radiation therapy (SBRT) at a comprehensive cancer center. *J Thorac Oncol* 3(11): 1332-1341, 2008.

Dahele M, **Ung YC, Bezjak A**, Burkes R, Ellis P, Behzadi A, Solow H, Laffan S, Korec M. The 3rd annual Ontario Thoracic Cancer Conference at Niagara on the Lake. *Curr Oncol* 15(3): 1-4, 2008.

Dahele M, **Ung YC**, Ehrlich L, Silverberg J, **Balogh J, Wong CS**. 18F-Fluorodeoxyglucose positron emission tomography-computed tomography for suspected recurrent papillary thyroid cancer: early experience at Sunnybrook Health Sciences Centre. *J Otolaryngol Head Neck Surg* 37 (5):712-7 2008.

Dahle M, **Ung YC**, Ehrlich L, Silverberg J, **Balogh J**, **Wong CS**. FDG PET/CT imaging for suspected recurrent papillary thyroid cancer: the early experience at Sunnybrook Health Sciences Centre. *J Otolaryngol Head Neck Surg* 37(5): 712-7, 2008.

Daly MJ, **Siewerdsen JH**, **Cho YB**, **Jaffray DA**. Geometric calibration of a cone-beam CT-capable mobile C-arm. *Med Phys* 35(5): 2124-2136, 2008.

**Davey P**, Hoegler D, Ennis M, Smith J. A phase III study of accelerated versus conventional hypofractionated whole brain irradiation in patients of good performance status with brain metastases not suitable for surgical excision. *Radiother Oncol* 88:173-176, 2008.

Davidson MT, Yuen J, D'Souza DP, **Batchelar DL**. Image guided cervix HDR brachytherapy treatment planning: does custom CT-planning for each insertion provide better conformal avoidance of organs at risk? *Brachytherapy* 7:37-42, 2008.

Davidson MTM, Yuen J, D'Souza DP, Radwan JS, Hammond JA, **Batchelar DL**. Optimization of HDR cervix brachytherapy applicator placement: The benefits of intraoperative ultrasound guidance. *Brachytherapy* 7:248-253, 2008.

de Sa E, **Sinclair E**, Wong J, **Danjoux C**, Hird A, Hadi S, **Barnes E**, **Tsao M**, **Chow E**. Continued success of the Rapid Response Radiotherapy Program: A review of 2004 – 2008. *Support Care Cancer* 17(7):757-62, 2009.

Desa V, **Danjoux C**, Matyas Y, Fitch M, Husain A, Horvath N, Myers J, Clemons M, Hux J, **Barnes E**. An interdisciplinary and collaborative initiative in palliative care research. *J Pain Res*, 2:1-3, 2009.

Dickie-Euler CI, Parent A, Griffin A, **Chung P**, **Catton C**, **Craig T**, **Sharpe M**, **O'Sullivan B**. Measuring interfraction and intrafraction motion with Cone Beam Computed Tomography (CBCT) and an Optical Localization System (OLS) for lower extremity soft tissue sarcoma patients treated with preoperative Intensity Modulated Radiation Therapy (IMRT). *Int J Radiat Oncol Biol Phys* 72(1):S105, 2008.

Dickie CI, Parent AL, Griffin AM, Fung S, Chung PW, **Catton CN**, Ferguson PC, Wunder JS, Bell RS, **Sharpe MB**, **O'Sullivan B**. Bone fractures following external beam radiotherapy and limb-preservation surgery for lower extremity soft tissue sarcoma: Relationship to irradiated bone length, volume, tumor location and dose. *Int J Radiat Oncol Biol Phys* (published online April 2009).

**Dinniwell R**, Chan P, **Czarnota G**, Haider M, **Fyles A**, **Jaffray D**, **Milosevic M**. Pelvic lymph node topography for radiotherapy treatment planning from contrast-enhanced MR imaging. *Int J Radiat Oncol Biol Phys* 74(3):844-51, 2009.

Dobrow MJ, Orchard MC, **Paszat L**, Golden B, Brown AD, Holowaty E, Sullivan T. Response audit of an internet survey of health care providers and administrators: implications for determination of response rates. *J Med Internet Res* 10(4):e30, 2008.

Douplik BA, Morofke D, Chiu S, Bouchelev V, Mao YI, Yang VXD, **Vitkin IA**. In vivo real time monitoring of vasoconstriction and vasodilation by a combined diffuse reflectance spectroscopy and Doppler optical coherence tomography approach. *Lasers Surg Med* 40:323-31, 2008.

**Eccles C, Bissonnette J, Tim C**, Taremi M, Wu X, **Dawson L**. A treatment planning study to determine the potential benefit of intensity modulated radiotherapy vs. conformal radiation for unresectable hepatic malignancies. *Int J Radiat Oncol Phys* 72(2): 582-8, 2008.

Elit LM, Bondy SJ, **Paszat L**, Holowaty EJ, **Thomas GM**, Stukel TA, Levine MN. Surgical outcomes in women with ovarian cancer. *Can J Surg* 51:346-54, 2008.

Fairchild A, Goh P, **Sinclair E, Barnes E**, Ghosh S, **Danjoux C, Barbera L, Tsao M, Chow E**. Has the pattern of practice in the prescription of radiotherapy for the palliation of thoracic symptoms changed between 1999 and 2006 at the Rapid Response Radiotherapy Program? *Int J Radiat Oncol Biol Phys* 70(3): 693-700, 2008.

Fairchild A, Harris K, **Barnes E, Wong R**, Lutz S, **Bezjak A, Cheung P, Chow E**. Palliative thoracic radiotherapy for lung cancer: a systematic review. *J Clin Oncol*, 26(24): 4001-4011, 2008.

Falkson CB, **Bezjak A**, Darling G, Gregg R, Malthaner R, Maziak DE, Yu E, Smith CA, McNair S, **Ung YC**, Evans WK. The management of Thymoma; A systematic review and practice guideline. *J Thor Oncol* 4(7):911-9, 2009.

Falou O, Baddour R, Nathanael G, **Czarnota**, GJ, Kumaradas JC, Kolios, MC. A study of high-frequency ultrasound scattering from non-nucleated cells. *J Acoust Soc Am* 124(5):EL278-83, 2008.

Fenkell L, Kaminsky I, **Breen SL, Huang SH**, Van Prooijen M, **Ringash J**. Dosimetric comparison of IMRT vs 3-D conformal radiotherapy in the treatment of cancer of the cervical esophagus. *Radiother Oncol* 89:287-91, 2008.

Fenkell L, Kaminsky I, **Breen S**, Van Prooijen M, **Ringash J**. Intensity modified radiation therapy for cervical esophageal cancer. *Radiother Oncol* 89: 287-291, 2008.

Flynn C, **Danjoux C**, Wong J, Christakis M, Rubeinstein J, Yee A, Yip D, **Chow E**. Two cases of acrometastases to the hands and review of the literature. *Curr Oncol* 15(5):51-58, 2008.

Foltz WD, Haider M, **Kirilova A**, Chan K, **Chung P, Catton C, Warde P, Jaffray D, Ménard C**. Multiparametric MRI response during radiotherapy for prostate cancer. *Int J Radiat Oncol Biol Phys* 72(1):S319-S320, 2008.

Furstoss C, Reniers B, Bertrand MJ, Poon E, Carrier JF, Keller BM, **Pignol JP**, Beaulieu L, Verhaegen F. Monte Carlo study of LDR seed dosimetry with an application in a clinical brachytherapy breast implant. *Med Phys* 36:1848-1858, 2009.

Gang GJ, Varon CA, Kashani H, Richard S, Paul NS, Van Metter R, Yorkson J, **Siewerdsen JH**. Multiscale deformable registration for dual-energy x-ray imaging. *Med Phys* 36(2): 351-363, 2008.

Gasent Blesa JM, **Dawson LA**. Options for radiotherapy in the treatment of liver metastases. *Clin Transl Oncol* 10(10): 638-45, 2008.

Georg M, Souvenir R, **Hope A**, Pless R. Simultaneous data volume reconstruction and pose estimation from slice samples. *Conf Proc IEEE Comput Vision Pattern Recognit*, 1-8, 2008.

Gerstner ER, Abrey LE, Schiff D, Ferreri AJM, Lister A, Montoto S, **Tsang R**, Thiel E, Graus F, Behringer D, Illerhaus G, Weaver S, Wen P, Harris NL, Batchelor TT. CNS Hodgkin lymphoma. *Blood* 112(5): 1658-61, 2008.

Gevorgyan AM, La Scala GC, Sukhu B, Leung IT, Ashrafpour H, **Yeung I**, Neligan PC, Pang CY, Forrest CR. Radiation-induced craniofacial bone growth inhibition: in vitro cytoprotection in the rabbit orbitozygomatic complex periosteum-derived cell culture. *Plast Reconstr Surg* 121 (5): 763-771, 2008.

Gevorgyan A, Sukhu B, Alman BA, **Bristow R**, Pang CY, Forrest CR. Radiation effects and radioprotection in MC3T3-E1 mouse calvarial osteoblastic cells. *Plast Reconstr Surg* 122(4):1025-35, 2008.

Ghosh N, Wood MFG, Li S, Weisel R, Wilson BC, Li R-K, **Vitkin IA**. Mueller matrix decomposition for polarized light assessment of complex turbid media such as biological tissues. *J Biophoton* 3:145-56, 2009.

Ghosh N, Wood MFG, **Vitkin IA**. Mueller matrix decomposition for extraction of individual polarization parameters from complex turbid media exhibiting multiple scattering, optical activity, and linear birefringence. *J Biomed Opt* 13(4):044036, 2008.

Gillan C, **Palmer C**. Radiation therapy students' teaching expectations of therapists over the course of clinical practicums: A longitudinal study. *J Med Imaging Radiat Sci* 40(2): 64-74, 2009.

Goldhoff P, Warrington N, Limbrick DD, **Hope AJ**, Woerner BM, Jackson E, Perry A, Piwnica-Worms D, Rubin JB. Targeted inhibition of cyclic AMP phosphodiesterase-4 promotes brain tumor regression. *Clin Cancer Res* 14(23):7717-25, 2008.

**Gospodarowicz M**, Cazap E, Jadad AR. Cancer in the world: A call for international collaboration. *Salud Publica de Mexico* 51(S2):S305-8, 2009.

**Gospodarowicz, M**. Hodgkin's lymphoma-patients assessment and staging. *Cancer J* 15(2): 138-42, 2009.

Grimm SA, McCannel CA, Omuro AM, Ferreri AJ, Blay JY, Neuwelt EA, Siegal T, Batchelor T, Jahnke K, Shenkier TN, Hall AJ, Graus F, Nerrlinger U, Schiff D, Raizer J,

Rubenstein J, Gurung A, Uddin F, **Hill RP**, Ferguson PC, Alman BA. Beta-catenin is a mediator of the response of fibroblasts to irradiation. *Am J Pathol* 174(1): 248-55, 2009.

Hadi S, Fan G, Kirou-Mauro A, Hird A, Filipczak L, **Chow E**. Symptom clusters in cancer patients with metastatic bone pain. *J Palliat Med* 11(4):591-600, 2008.

Hadi S, Zhang L, Hird A, de Sa E, **Chow E**. Validation of symptom clusters in patients with metastatic bone pain. *Curr Oncol* 15(5):10-18, 2008.

Hall SF, Groome PA, Irish J, **O'Sullivan B**. The natural history of patients with squamous cell carcinoma of the hypopharynx. *Laryngoscope* 118: 1362-71, 2008.

Hall SF, Groome PA, Irish J, **O'Sullivan B**. TNM-based stage groupings in head and neck cancer: Application in cancer of the hypopharynx. *Head Neck* 31: 1-8, 2009.

Hall SF, Groome PA, Irish J, **O'Sullivan B**. Towards further understanding of prognostic factors for head and neck cancer patients: The example of hypopharyngeal cancer. *Laryngoscope* 119: 696-702, 2009.

Hamming N, Daly MJ, Irish JC, **Siewerdsen JH**. Optimal fiducial configurations for cone-beam CT guidance of head and neck surgery. *Conf Proc IEEE, EMBS*: 3643 – 3648, 2008.

**Harnett N, Palmer C, Bolderston A, Catton P**. The scholarly therapist part one: Charting the territory. *J Radiother Pract* 7(2): 99-104, 2008.

Hendry JH, Dörr W, **Hill RP**, Potten CS. No apoptotic endothelial cells in irradiated intestine: regarding Schuller et al. *Int J Radiat Oncol Bio Phys* 1;70(3): 801-2, 2008.

Herrera FG, Vidal, L, Oza M, **Milosevic M, Fyles A**. Molecular targeted agents combined with chemo-radiation in the treatment of locally advanced cervix cancer. *Rev Recent Clin Trials* 3(2): 111-120, 2008.

**Heydarian M**, Asnaashari K, Allahverdi M, **Jaffray DA**. Dosimetric evaluation of a dedicated stereotactic linear accelerator using measurement and Monte Carlo simulation. *Med Phys* 35(9) 3943–54, 2008.

**Higgins J, Bezjak A**, Franks K, Le LW, Cho BC, **Payne D, Bissonnette JP**. Comparison of spine, carina and tumor as registration landmarks for volumetric image-guided lung radiotherapy. *Int J Radiat Oncol Biol Phys* 73(5): 1404-1412, 2009.

**Hill RP**. Seminars in radiation oncology. Introduction. *Semin Radiat Oncol* 19(2): 69-70, 2009.

**Hill RP**, Marie-Egyptienne DT, Hedley DW. Cancer stem cells, hypoxia and metastasis. *Semin Radiat Oncol* 19(2): 106-11, 2009.

Hird A, **Chow E**, Ehrlich L, Probyn L, **Sinclair E**, Yip D, Ko Y. Rapid improvement in pain and functional level in a patient with metastatic renal cell carcinoma (mRCC): a case report and review of the literature. *J Palliat Med* 11(8):1156-61, 2008.

Hird A, **Chow E**, Yip D, Davis M, Hadi S, Flynn C, **Sinclair E**, Ko Y. After radiotherapy, do bone metastases from gastrointestinal cancers show response rates similar to those of bone metastases from other primary cancers? *Curr Oncol* 15(5):18-24, 2008.

Hird A, **Chow E**, Zhang L, **Wong R**, Wu J, **Sinclair E**, **Danjoux C**, **Tsao M**, **Barnes E**, **Loblaw A**. Determining the incidence of pain flare following palliative radiotherapy for symptomatic bone metastases: results from three Canadian cancer centres. *Int J Radiat Oncol Bio Phys* (published online January, 2009).

Hird A, Wilson J, Symons S, **Sinclair E**, Davis M, **Chow E**. Radiation recall dermatitis: A case report and review of the literature. *Curr Oncol* 15 (1): 53-62, 2008.

Hird A, Wong J, Zhang L, **Tsao M**, **Barnes E**, **Danjoux C**, **Chow E**. Exploration of symptoms clusters with in cancer patients with brain metastases using the Spitzer Quality of Life Index. *Support Care Cancer* (published online May 2009).

Hird A, Zhang L, Holt T, Fairchild A, DeAngelis C, **Loblaw A**, **Wong R**, **Barnes E**, **Tsao M**, **Danjoux C**, **Chow E**. Dexamethasone for the prophylaxis of radiation-induced pain flare following palliative radiotherapy for symptomatic bone metastases: A phase II study. *Clin Oncol* 21:329-335, 2009.

**Hodgson DC**. Hodgkin lymphoma: The follow-up of long-term survivors. *Hematol Oncol Clin North Am* 22(2): 233-44, 2008.

Holloway CMB, Saskin R, **Paszat L**. Geographic variation in the use of percutaneous biopsy for breast cancer diagnosis. *Can J Surg* 51:453-63, 2008.

Holly R, Myrehaug S, Sankrecha R, **Morton G**. High dose-rate prostate brachytherapy in a patient with bilateral hip prostheses planned using MVCT images acquired with a helical tomotherapy unit. *Brachytherapy* 8(1): 70-3, 2009.

**Huang SH**, **Catton C**, Jezioranski J, **Bayley A**, Rose S, **Rosewall T**. The effect of changing technique, dose, and PTV margin on therapeutic ratio during prostate radiotherapy. *Int J Radiat Oncol Biol Phys* 15;71(4):1057-64, 2008.

**Huang SH**, Hwang D, Lockwood G, Goldstein DP, **O'Sullivan B**. Predictive value of tumor thickness for cervical lymph-node involvement in squamous cell carcinoma of the oral cavity: A meta-analysis of reported studies. *Cancer* 115: 1489-97, 2009.

**Huang SH**, Lockwood G, **Brierley J**, **Cummings B**, **Kim J**, **Wong R**, **Bayley A**, **Ringash J**. Effect of concurrent high-dose Cisplatin chemotherapy and conformal radiotherapy on cervical esophageal cancer survival. *Int J Radiat Oncol Biol Phys* 71: 735-740, 2008.



**Huang SH**, Lockwood G, Irish J, **Ringash J**, **Waldron J**, **Kim J**, **Dawson LA**, **Bayley A**, **Hope A**, **O'Sullivan B**. Truths and myths about radiotherapy for verrucous carcinoma of larynx. *Int J Radiat Oncol Biol Phys* 73(4): 1110-1115, 2009.

Hui AB, Yue S, Shi W, Alajez NM, Ito E, Green SR, Frame S, **O'Sullivan B**, **Liu FF**. Therapeutic efficacy of seliciclib in combination with ionizing radiation for human nasopharyngeal carcinoma. *Clin Cancer Res* 15: 3716-24, 2009.

Hui A, Shi W, Boutros P, Miller N, Pintilie M, **Fyles A**, McCready D, Wong D, Gerster K, Jurisica I, Penn L, **Liu FF**. Robustness of global micro-RNA profiling using formalin-fixed paraffin-embedded breast cancer tissues. *Lab Invest* (published online March 2009).

Ishkanian AS, Malloff CS, Ho J, Meng A, Albert M, Syed A, van der Kwast T, **Milosevic M**, Yoshimoto M, Squire JA, Lam W, **Bristow RG**. High-resolution array CGH identifies novel regions of genomic alteration in intermediate-risk prostate cancer. *Prostate* 69(10): 1091-1100, 2009.

Itzkowitz S, Brand R, Jandorf L, Durkee K, Millholland J, Rabeneck L, Schroy PC 3<sup>rd</sup>, Sontag S, Johnson D, Markowitz S, **Paszat L**, Berger BM. A simplified, noninvasive stool DNA test for colorectal cancer detection. *Am J Gastroenterol* 103:2862-70, 2008.

Jandieri K, Rubel O, Baranovskii SD, Reznik A, **Rowlands JA**, Kasap SO. Lucky-drift model for impact ionization in amorphous semiconductors. *J Mater Sci - Mater Electron* 20(Suppl. 1): 221-225, 2009.

Jandieri K, Rubel O, Baranovskii SD, Reznik A, **Rowlands JA**, Kasap SO. One-dimensional lucky-drift model with scattering and movement asymmetries for impact ionization in amorphous semiconductors. *Phys Status Solidi (c)*, 5(3): 796-799, 2008.

Jandieri K, Rubel O, Baranovskii SD, Reznik A, **Rowlands JA**, Kasap SO. Scattering and movement asymmetry in the one-dimensional lucky-drift simulation of the avalanche processes in disordered semiconductors. *J Non-Cryst Solids* 354(19-25): 2657-2661, 2008.

Jang RW, **Doherty MA**, Hopkins JJ, Warner E. A case of prolonged disease free survival in a patient with chroidal metastases from breast cancer. *Nat Clin Pract Oncol* 6: 118-121, 2008.

Joseph KJ, Al-Mandhari Z, Pervez N, Partiliament N, Wu J, Ghosh S, Tai P, Lian J, **Levin W**. Reirradiation after radical radiation therapy: a survey of patterns of practice among Canadian radiation oncologists. *Int J Radiat Oncol Biol Phys* 1:72(5): 1523-9, 2008.

Kalliomaki TM, McCallum G, Lunt SJ, Wells PG, **Hill RP**. Analysis of the effects of exposure to acute hypoxia on oxidative lesions and tumour progression in a transgenic mouse breast cancer model. *BMC Cancer* 8(1): 151, 2008.

Kalliomaki TM, McCallum G, Wells PG, **Hill RP**. Progression and metastasis in a transgenic mouse breast cancer model: Effects of exposure to in vivo hypoxia. *Cancer Lett* 282(1): 98-108, 2009.

Kased N, Huang K, Nakamura JL, **Sahgal A, Larson DA**, McDermott MW, Sneed PK. Gamma knife Radiosurgery for Brainstem Metastases: The UCSF experience. *J of Neuro-Onc* 86 (2):195-205, 2008.

Kassam Z, **Wong R, Ringash J, Ung Y**, Kamra J, DeBoer G, O'Brien M, **Kim J, Loblaw D, Wong S, Cummings B, Davey P**. A phase I/II study to evaluate the toxicity and efficacy of accelerated fractionation radiotherapy for the palliation of dysphagia from carcinoma of the esophagus. *Clin Oncol* 20:53-60, 2008.

Katz D, Ito E, Lau KS, Mocanu JD, Bastianutto C, Schimmer AD, **Liu FF**. Increased efficiency for performing colony formation assays in 96-well plates: Applicability to combination therapies and high-throughput screening. *Biotechniques* 44: 9-14, 2008.

Katz D, Ito E, **Liu FF**. On the Path to Seeking Novel Radiosensitizers. *Int J Radiat Oncol Biol Phys* 73: 988-996, 2009.

Keller B, Peressotti C, **Pignol JP**. Optical imaging analysis of microscopic radiation dose gradients in Gafchromic EBT film using a digital microscope. *Med Phys* 35:3740-7, 2008.

Keller B, **Pignol JP, Rakovitch E**, Sankreacha R, **O'Brien P**. A radiation badge survey for family members living with patients treated with a 103Pd permanent breast seed implant. *Int J Radiat Oncol Biol Phys* 70(1):267-271, 2008.

Keller BM, **Pignol JP**, Presutti J, **Beachey DJ**. Intermediate energy photons (1 MV) to improve dose gradient, conformality, and homogeneity: Potential benefits for small field intracranial radiosurgery. *Med Phys* 36:33-39, 2009.

Kim S, **Cho Y**, Haider M, **Milosevic M, Yeung I**. Multiphasic contrast injection for improved precision of parameter estimates in functional CT. *Med Phys* 35(12):5921-5933, 2008.

**Kirilova A**, Lockwood G, Choi P, Bana N, Haider MA, **Brock KK, Eccles C, Dawson LA**. Three-dimensional motion of liver tumors using cine-magnetic resonance imaging. *Int J Radiat Oncol Biol Phys* 71(4) 1189-95, 2008.

Kirou-Mauro A, Hird A, Wong J, **Sinclair E, Barnes EA, Tsao M, Danjoux C, Chow E**. Is response to radiotherapy in patients related to the severity of pre-treatment pain? *Int J Radiat Oncol Biol Phys* 71(4):1208-12, 2008.

Kirou-Mauro AM, Hird A, Wong J, **Sinclair E, Barnes EA, Tsao M, Danjoux C, Chow E**. Has pain management in cancer patients with bone metastases improved? A seven year review at an outpatient palliative radiotherapy clinic. *J Pain Sympt Manag* 37(1): 77-84, 2009.

Koh WY, Ren W, Mukherjee RK, **Chung HT**. Internal audit of a comprehensive IMRT program for prostate cancer: a model for centers in developing countries? *Int J Radiat Oncol Biol Phys* (published online February 2009).

Kong V, **Craig T**, **Bayley A**, **Bristow R**, **Catton C**, **Chung P**, **Gospodarowicz M**, **Milosevic M**, **Warde P**, **Ménard C**. Dosimetry and acute toxicity in IG-IMRT using a consensus prostate bed CTV following prostatectomy. *Int J Radiat Oncol Biol Phys* 72(1):S345, 2008.

Krema H, Somani S, **Sahgal A**, Xu W, Heydarian M, **Payne D**, McGowan H, Michaels H, Simpson ER, **Laperriere N**. Stereotactic radiotherapy for treatment of juxtapapillary choroidal melanoma: 3-year follow-up. *Br J Ophthalmol* (published online May 2009).

Kuruville J, Nagy T, Pintilie M, **Tsang R**, Keating A, Crump M. Salvage chemotherapy and autologous stem cell transplantation are inferior for relapsed or refractory primary mediastinal large B cell lymphoma compared with diffuse large B cell lymphoma. *Leuk Lymphoma* 49(7):1329-36, 2008.

Kuruville J, Pond G, **Tsang R**, Gupta V, Lipton JH, Minden MD, Messner HA. Favourable overall survival with fully myeloablative allogeneic stem cell transplantation for follicular lymphoma. *Biol Blood Marrow Transplant* 14(7): 775-82, 2008.

Kwon J, Carey M, Cook EF, Qui F, **Paszat L**. Are there regional differences in gynaecologic cancer outcomes in the context of a single-payer, publicly-funded health care system? A population-based study. *J Public Health* 99:221-6, 2008.

Lakoff J, **Paszat L**, Saskin R, Rabeneck L. Risk of developing proximal versus distal colorectal cancer following a negative colonoscopy: A population-based study. *Clin Gastroenterol Hepatol* 6:1117-21, 2008.

**Laperriere N**, Thiel E, Doolittle N, Iwamoto FM, Abrey LE. Primary CNS lymphoma with intraocular involvement: International PCNSL Collaborative Group Report. *Neurology* 71: 1355-60, 2008.

Lawton CA, Michalski J, El-Naqa I, Kuban D, Lee WR, Rosenthal SA, Zietman A, Sandler H, Shipley W, Ritter M, Valicenti R, **Catton C**, Roach M 3rd, Pisansky TM, Seider M. Variation in the definition of clinical target volumes for pelvic nodal conformal radiation therapy for prostate cancer. *Int J Radiat Oncol Biol Phys* 74(2):377-82, 2009.

Lee L, Pintilie M, **Hodgson DC**, Goss PE, Crump M. Screening mammography for young women treated with supradiaphragmatic radiation for Hodgkin's lymphoma. *Ann Oncol* 19(1): 62-7, 2008.

Lee M, **Brock KK**, **Dawson LA**. Multimodality image guided radiation therapy for liver cancer. *Imaging Decis* 12(1): 32-41, 2008.

Lee MT, Kim JJ, **Dinniwell R**, **Brierley J**, Lockwood G, **Wong R**, **Cummings B**, **Ringash J**, Tse RV, Knox JJ, **Dawson LA**. Phase I study of individualized stereotactic body radiotherapy of liver metastases. *J Clin Oncol* 27: 1585 – 1591, 2009.

Leighl NB, Shepherd FA, Zawisza D, Burkes RL, Feld R, **Waldron J, Sun A, Payne D, Bezjak A**, Tattersall MH. Enhancing treatment decision-making: pilot study of a treatment decision aid in stage IV non-small cell lung cancer. *Br J Cancer* 98(11): 1769-1773, 2008.

Leonard K, **Wiljer D**, Casselman M. An innovative information paradigm for consumers with chronic conditions: The value proposition. *J Inf Tech Healthcare* (4):274-282, 2008.

**Létourneau D**, Finlay M, **O'Sullivan B, Waldron JN, Cummings BJ, Ringash J, Kim JJ, Bayley AJ, Dawson LA**. Lack of influence of intravenous contrast on head and neck IMRT dose distributions. *Acta Oncol* 47: 90-94, 2008.

**Létourneau D**, Publicover J, Kozelka J, **Moseley D, Jaffray DA**. Novel dosimetric phantom for quality assurance of volumetric modulated arc therapy. *Med Phys* 36: 1813-1821, 2009.

**Létourneau D**, Finlay M, **O'Sullivan B, Waldron JN, Kim J, Cummings BJ, Ringash J, Bayley AJ, Dawson LA**. Effect of intravenous CT contrast on head and neck IMRT planning. *Acta Oncol* 47(1): 90-94, 2008.

Lim K, Chan P, **Dinniwell R, Fyles A**, Haider M, **Cho YB, Jaffray D, Manchul L, Levin W, Hill RP, Milosevic M**. Cervix cancer regression measured using weekly MR imaging during fractionated radiotherapy: Radiobiologic modeling and correlation with tumor hypoxia. *Int J Radiat Oncol Biol Phys* 70(1): 126-133, 2008.

Lim TS, **Cheung PC, Loblaw DA, Morton G**, Sixel KE, **Pang G, Basran P**, Zhang L, Tirona R, **Szumacher E, Danjoux C**, Choo R, **Thomas G**. Hypofractionated accelerated radiotherapy using concomitant intensity-modulated radiotherapy boost technique for localized high-risk prostate cancer: acute toxicity results. *Int J Radiat Oncol Biol Phys* 72(1): 85-92, 2008.

Lim K, Kelly V, Stewart J, Xie J, **Cho YB, Moseley J, Brock KK, Fyles A**, Lundin A, Reh binder H, **Milosevic M**. Pelvic radiotherapy for cancer of the cervix: is what you plan actually what you deliver? *Int J Radiat Oncol Biol Phys* 74(1):304-12, 2009.

Liu SK, Coackley C, **Bristow R**. A novel poly (ADP-ribose) polymerase inhibitor, ABT-888, radiosensitizes malignant human cell lines under hypoxia. *Radiother Oncol* 88(2):258-68, 2008.

Liu GY, Mariampillai A, Standish BA, Munce NR, Gu X, **Vitkin IA**. High power wavelength linearly swept mode locked fiber laser for OCT imaging. *Opt Express* 16:14095-105, 2008.

Liu S, Olive PA, **Bristow R**. Biomarkers of DNA repair in clinical trials of radiotherapy and molecular targeting agents. *Cancer Metastasis Rev* 27(3):445-58, 2008.

Loh KS, Barker E, Bruch G, **O'Sullivan B**, Brown DH, Goldstein DP, Gilbert RW, Gullane PJ, Irish JC. Prognostic factors in malignancy of the minor salivary glands. *Head Neck* 31: 58-63, 2009.

Lunt SJ, Chaudary N, **Hill RP**. The tumor microenvironment and metastatic disease. *Clin Exp Metastasis* 26(1):19-34, 2009.

Lunt SJ, **Fyles A**, Hill RP, **Milosevic M**. Interstitial fluid pressure in tumors: Therapeutic barrier and biomarker of angiogenesis. *Fut Oncol* 4(6): 793-802, 2008.

Lunt SJ, Kalliomaki TM, Brown A, Yang VX, **Milosevic M**, **Hill RP**. Interstitial fluid pressure, vascularity and metastasis in ectopic, orthotopic and spontaneous tumours. *BMC Cancer* 8:2, 2008.

Lunt SJ, **Fyles A**, **Hill RP**, **Milosevic M**. Interstitial fluid pressure in tumors: Therapeutic barrier and biomarker of angiogenesis. *Future Oncol* 4(6):793-802, 2008.

Ma Jiazhi, Yeow JTW, **Chow JCL**, Barnett RB. A carbon fiber based radiation sensor for dose measurements in radiotherapy. *Carbon* 46:1869-1873 2008.

Maamoun J, Fitch M, **Barker R**, Robson S, **Gillies C**, Turner A, Lange-Mechlen I, Gardner S, Kiss A. Results of a radiation therapist opinion survey identifying, measuring and addressing radiation therapy patient supportive care needs. *J Med Imaging Rad Sci* 40:24-31, 2009.

MacCulloch R, Donaldson S, Nicholas D, **Nyhof-Young J**, Hetherington R, Lupea D, and Wright J. Towards an understanding of the information and support needs of surgical adolescent idiopathic scoliosis patients: a qualitative analysis. *Scoliosis* 4(12), 2009.

MacDougall RD, I. Koprinarov, **Rowlands JA**. The x-ray light valve: a low-cost digital radiographic imaging system – spatial resolution. *Med Phys* 35(9): 4216-4227, 2008.

MacFadden D, Zhang B, **Brock K**, Hodaie M, **Laperriere N**, Schwartz M, **Tsao M**, Stainsby J, Lockwood G, Mikulis D, **Menard C**. Clinical evaluation of stereotactic target localization using 3T MRI for radiosurgery planning. *Int J Radiat Oncol Biol Phys* (published online June 2009).

MacFadden D, Zhang B, **Brock K**, Hodaie M, **Laperriere N**, Schwartz S, **Tsao M**, Stainsby J, Mikulis D, **Ménard C**. Clinical validation of 3T MRI guidance for stereotactic radiosurgery. *Int J Rad Onc Biol Phys* (published online June 2009).

Macrae CJ, McCulloch RD, Ylanko J, Durocher D, **Koch CA**. APLF (C2orf13) facilitates nonhomologous end-joining and undergoes ATM-dependent hyperphosphorylation following ionizing radiation. *DNA Repair* 7(2): 292-302, 2008.

Macri R, **Bolderston A**. The role of the Canadian radiation therapist. *Radiat Therapist* 18(1), 2009.

Magagnin MG, Dubois L, Cleven A, Grenacher B, Landuyt W, Lieuwes N, Lambin P, Gorr T, **Koritzinsky M**, **Wouters BG**. Targeting the tumor suppressor 4E-BP1 sensitizes

glioblastoma U87 xenograft tumors to irradiation through increased sensitivity to hypoxia. *Int J Radiat Oncol Biol Phys* 15:73(4):1219-27, 2009.

Magagnin MG, van den Beucken T, Sergeant K, Lambin P, **Koritzinsky M**, Devreese B, **Wouters BG**. The mTOR target 4E-BP1 contributes to differential protein expression during normoxia and hypoxia through changes in mRNA translation efficiency. *Proteomics* 8(5): 1019-28, 2008.

Magierowski K, **Moseley J**, Lockwood G, Parent A, Euler C, **Sharpe M**, Griffin A, **Brock K**, **Catton C**, **O'Sullivan B**. Retrospective study of volume changes in two pathological subtypes of sarcomas using deformation image registration. *Int J Radiat Oncol Biol Phys* 72(1):S504, 2008.

Mail, N, **Moseley DJ**, **Siewerdsen JH**, **Jaffray DA**, The influence of bowtie filtration on cone-beam CT image quality. *Med Phys*, 36(1): 22-32, 2009.

Mail N, **Moseley DJ**, **Siewerdsen JH**, **Jaffray DA**. An empirical method for lag correction in cone-beam CT. *Med Phys* 35(11): 5187-5196, 2008.

Mariampillai A, Standish BA, Moriyama EH, Khurana M, Munce NR, Leung MKK, Jiang J, Cable A, Wilson BC, **Vitkin IA**, Yang YXD. Speckle variance detection of microvasculature using swept-source optical coherence tomography. *Opt Lett* 33:1530-32, 2008.

Martino R, **Ringash J**. Evaluation of QOL and organ function in head and neck squamous cell cancer. *Hem Onc Clin N Am* 22: 1239-1256, 2008.

Maseide K, Pintilie M, Kandel R, **Hill RP**. Can sparsely and heterogeneously expressed proteins be detected using tissue microarrays? A simulation study of the hypoxia marker carbonic anhydrase IX (CA IX) in human soft tissue sarcoma. *Pathol Res Pract* 204(3): 175-83, 2008.

Matsuura N, **Rowlands JA**. Towards new functional nanostructures for medical imaging. *Med Phys* 35(10), 4474-4487, 2008

McVeigh P, Syed A, **Milosevic M**, **Fyles A**, Haider MA. Diffusion-weighted MRI in cervical cancer. *Eur Radiol* 18(5), 1058-64, 2008.

Michalski JM, Lawton C, El Naqa I, Ritter M, O'Meara E, Seider MJ, Lee WR, Rosenthal SA, Pisansky T, **Catton C**, Valicenti RK, Zietman AL, Bosch WR, Sandler H, Buyyounouski MK, **Ménard C**. Development of RTOG consensus guidelines for the definition of the clinical target volume for postoperative conformal radiation therapy for prostate cancer. *Int J Radiat Oncol Biol Phys* (published online April 2009).

**Milosevic M**, Lunt SJ, Leung E, Skliarenko J, Shaw P, **Fyles A**, **Hill RP**. Interstitial permeability and elasticity in human cervix cancer. *Microvasc Res* 75(3): 381-90, 2008.

Mishra KP, Ahmed M, **Hill RP**. Low-dose radiation effects on human health with implications to radioprotection and cancer radiotherapy. *Int J Radiat Biol* 84(5): 441-4, 2008.

Mitchell DG, Snyder B, Coakley F, Reinhold C, **Thomas G**, Amendola MA, Schwarz LH, Woodward P, Pannu H, Atri M, Hricak H. Early invasive cervical cancer: MRI and CT predictors of lymphatic metastases in the ACRIN 6651/GOG 183 Intergroup Study. *Gynecol Oncol* 112(1):95-103, 2009.

Munbodh R, Chen Z, **Jaffray DA**, **Moseley DJ**, Knisely JPS, Duncan JS. Automated 2D–3D registration of portal images and CT data using line-segment enhancement. *Med Phys* 35: 4352, 2008.

Myrehaug S, Pintilie M, **Tsang R**, Mackenzie R, Crump M, Chen Z, **Sun A**, **Hodgson DC**. Cardiac morbidity following modern treatment for Hodgkin lymphoma: Supra-additive cardiotoxicity of doxorubicin and radiation therapy. *Leuk Lymphoma* 49(8): 1486-93, 2008.

Myerson R, Garofalo M, el Naqa I, Abrams R, Bosch W, Das P, Gunderson L, Hong T, **Kim J**, Willett CG and Kachnic L. Elective clinical target volumes for conformal therapy in anorectal cancer: An RTOG consensus panel contouring atlas. *Int J Radiat Oncol Biol Phys* 74(3): 824-830, 2009.

Nam R, Zhang WW, Trachtenberg J, Seth A, Klotz LH, Stanimirovic A, Punnen S, Venkateswaran V, Toi A, **Loblaw DA**, Sugar L, Siminovitch KA, Narod SA. Utility of incorporating genetic variants for the early detection of prostate cancer. *Clin Cancer Res* 15(5): 1787-93, 2009.

Napolskikh J, Selby D, Bennett M, **Chow E**, Harris K, **Sinclair E**, Myers J. Demographic profile and utilization statistics of a Canadian inpatient palliative care unit within a tertiary care setting. *Curr Oncol* 16(1):47-52, 2009.

Ng A, Beiki-Ardakan A, Tong S, **Moseley DJ**, **Siewerdsen JH**, **Jaffray DA**, **Yeung IW**. A dual modality phantom for cone beam CT and ultrasound image fusion in prostate implant. *Med Phys* 35(5): 2062-2071, 2008.

Nguyen TN, Moseley LJ, **Dawson LA**, **Jaffray DA**, **Brock KK**. Adapting liver motion models using a Navigator Channel technique. *Eng Med Biol Soc* 3945-8, 2008.

Nguyen TN, Moseley JL, **Dawson LA**, **Jaffray DA**, **Brock KK**. Adapting population liver motion models for individualized online image-guided therapy. *Conf Proc IEEE Eng Med Biol Soc* 3945-8, 2008.

Nguyen TN, Moseley JL, **Dawson LA**, **Jaffray DA**, **Brock KK**. Adaptive patient-specific models of liver motion using a Navigator Channel technique. *Med Phys* 36(4):1061-73, 2009.

Nithianathan S, **Brock KK**, Irish JC, **Siewerdsen JH**. Deformable registration for intra-operative cone-beam CT guidance of head and neck surgery. *Conf Proc IEEE Eng Med Biol Soc* 3634-7, 2008.

Nithiananthan S, **Brock KK**, Irish JC, **Siewerdsen JH**. Deformable image-registration for cone-beam CT guidance of head and neck surgery. Conf Proc IEEE, Eng Med Biol Soc 3634 – 3637, 2008.

Nofech-Mozes S, **Ackerman I**, Ghorab Z, Ismiil N, **Thomas G**, Covens A and Khalifa MA. Lymphovascular invasion is a significant predictor for distant recurrence in patients with early-stage endometrial endometrioid adenocarcinoma. Am J Clin Pathol 129:912-917, 2008.

Nofech-Mozes S, Ghorab Z, Ismiil N, **Ackerman I**, **Thomas G**, **Barbera L**, Covens A, Khalifa MA. Endometrial endometrioid adenocarcinoma: a pathologic analysis of 827 consecutive cases. Am J Clin Path 129(1); 110-114. 2008.

Nofech-Mozes S, **Spayne J**, **Rakovitch E**, Kahn HJ, Seth A, **Pignol JP**, Lickley L, **Paszat L**, Wedad H. Biological markers predictive of invasive recurrence in DCIS. Clin Med Oncol 2:7-18, 2008.

Oakham P, MacDougall RD, **Rowlands JA**. The optimal optical readout for the x-ray light valve-document scanners. Med Phys 35(12): 5672-5683, 2008

Oza A, Eisenhauer, E, Elit, L, Oza AM, Eisenhauer EA, Elit L, Cutz JC, Sakurada A, **Tsao MS**, Hoskins PJ, Biagi J, Ghatage P, Mazurka J, Provencher D, Dore N, Dancey J, **Fyles A**. Phase II study of erlotinib (Tarceva, OSI 774) in women with recurrent or metastatic endometrial cancer. A trial of the National Cancer Institute of Canada Clinical Trials Group (NCIC IND-148). J Clin Oncol 26(26):4319-25, 2008.

Pagliari L, **Crook J**. Multimodality treatment in penile cancer: when and which treatments? World J Urol 27(2):221-5, 2009.

Patil N, **Crook J**, **Saibishkumar EP**, Aneja M, Borg J, Pond G, Ma C. The effect of obesity on rectal dosimetry after permanent prostate brachytherapy. Brachytherapy 8(2):218-22, 2009.

Pan X, **Siewerdsen JH**, LaRiviere R, and Kalender W. Anniversary paper: Development of x-ray computed tomography: The role of medical physics and AAPM from the 1970s to present. Med Phys 35(8): 3728-3729, 2008.

Para AE, **Bezjak A**, **Yeung IW**, Van Dyk J, **Hill RP**. Effects of genistein following fractionated lung irradiation in mice. Radiother Oncol (published online May 2009).

**Palmer C**, **Cherryman F**. Directed reading: Supporting student success. J Med Imag Radiat Sci 40: 38-44, 2009.

**Palmer C**, **Cherryman F**. Supporting student success. Directed Reading. J Med Imag Radiat Sci 40:38-44, 2009.



**Pang G**, Bani-Hashemi A, Au P, **O'Brien PF**, **Rowland JA**, **Morton G**, Lim T, **Cheung P**, **Loblaw DA**. Megavoltage cone beam digital tomography (MV-CBDT) for image-guided radiotherapy: A clinical investigational system. *Phys Med Biol* 53: 999-1013, 2008.

Panju AH, Breunis H, Cheung AM, Leach M, Fleshner N, **Warde P**, Duff-Canning S, Krahn M, Naglie G, Tannock I, Tomlinson G, Alibhai SM. Management of decreased bone mineral density in men starting androgen-deprivation therapy for prostate cancer. *BJU Int* 103(6):753-7, 2009.

**Paszat L**, Sutradhar R, Grunfeld E, Gainford C, Benk V, Bondy S, Coyle D, Holloway C, Sawka C, Shumak R, **Vallis K**, van Walraven C. Outcomes of surveillance mammography after treatment of primary breast cancer: a population-based case series. *Breast Cancer Res Treat* 114:169-78, 2009.

Pawlicki T, Yoo S, Court LE, McMillan SK, Rice RK, Russell JD, Pacyniak JM, **Woo MK**, **Basran PS**, Boyer AL. Process control analysis of IMRT QA: Implications for clinical trials *Phys Med Biol* 53: 5193-5205 2008.

Pawlicki T, Yoo S, Court LE, McMillan SK, Rice RK, Russell JD, Pacyniak JM, **Woo MK**, **Basran PS**, Shoales J, Boyer AL. Moving from IMRT QA measurements toward independent computer calculations using control charts. *Radiother Oncol* 89(3): 330-337. 2008.

Pearse M, Choo R, **Danjoux C**, **Gardner S**, **Morton G**, **Szumacher E**, **Loblaw A**, **Cheung P**. Prospective assessment of gastrointestinal and genitourinary toxicity of salvage radiotherapy for patients with prostate-specific antigen relapse or local recurrence after radical prostatectomy. *Int J Radiat Oncol Biol Phys* 72(3): 792-798, 2008.

Pham NA, Magalhaes JM, Do T, Schwock J, Dhani N, Cao PJ, **Hill RP**, Hedley DW. Activation of Src and Src-associated signaling pathways in relation to hypoxia in human cancer xenograft models. *Int J Cancer* 124(2): 280-6, 2009.

Pickles T, Morgan S, **Morton G**, Souhami L, **Warde P**, Lukka H. Adjuvant radiotherapy following radical prostatectomy: Genito-Urinary Radiation Oncologists of Canada Consensus Statement. *Can Urol Assoc J* 2(2): 95-9, 2008.

**Pignol JP**, Olivoto I, **Rakovitch E**, **Ackerman I**, Sixel K, Beckham W, Vu T, **Paszat L**. A phase III multicentre clinical trial of breast intensity modulated radiation therapy (IMRT) to reduce skin radiation side effects. *J Clin Oncol* 26:2085-2092, 2008.

**Pignol JP**, Olivotto I, **Rakovitch E**, Gardner S, Sixel K, Beckhman W, Vu TT, Truong P, **Ackerman I**, **Paszat L**. A multicentre randomized trial of breast intensity-modulated radiation therapy (IMRT) to reduce acute dermatitis. *J Clin Oncol* 26(13):2085-92, 2008.

**Pignol JP**, **Rakovitch E**, Keller B, Sankrecha R, Chartier C. Tolerance and acceptance results of a palladium-103 permanent breast seed implant Phase I/II study. *Int J Rad Oncol Biol Phys* 73:1482-1488, 2009.

Pintilie M, Iakovlev V, **Fyles A**, Hedley DW, **Milosevic M**, **Hill RP**. Heterogeneity and power in clinical biomarker studies. *J Clin Oncol* 27(9):1517-21, 2009.

Pippi-Salle JL, **Cook A**, Papanikolaou F, Bagli D, **Breen SL**, Charron M, Braga LP, Lorenzo A, Khoury AE. The importance of getting conjugate views on renographic evaluation of large hydronephrotic kidneys: an in vitro and ex vivo analysis. *J Urol* 180:1559-1565, 2008.

Prakash V, Stainsby JA, Satkunasingham, J, **Craig T**, **Catton C**, Chan P, **Dawson LA**, Hensel J, **Jaffray D**, **Milosevic M**, Nichol A, Sussman MS, Lockwood G, **Ménard C**. Validation of supervised automated algorithm for fast quantitative evaluation of organ motion on magnetic resonance imaging. *Int J Radiat Oncol Biol Phys* 15;71(4):1253-60, 2008.

Rabeneck L, Lewis J, **Paszat L**, Saskin R, Stukel T. Risk of proximal and distal colorectal cancer following flexible sigmoidoscopy: A population cohort study. *Am J Gastroenterol* 103:2075-82, 2008.

Rabeneck L, **Paszat LF**, Hilsden RJ, Saskin R, Leddin D, Grunfeld E, Wai E, Goldwasser M, Sutradhar R, Stukel TA. Bleeding and perforation after outpatient colonoscopy and their risk factors in usual clinical practice. *Gastroenterology* 135(6):1899-1906, 1906.e1, 2008.

Ramaseshan R, Kohli K, Cao F, **Heaton R**. Dosimetric evaluation of plastic water diagnostic therapy. *J Appl Clin Med Phys*, 9: 98 -111, 2008.

Ravi A, Caldwell C, **Pignol JP**. Experimental evaluation of an Online Gamma-camera Imaging of Permanent Seed Implantation (OGIPSI) Prototype. *Med Phys* 35:2485-92, 2008.

Reznik A, Baranovskii SD, Klebanov M, Lyubin V, Rubel O, **Rowlands JA**. Reversible vs irreversible photodarkening in a-Se: the kinetics study. *J Mater Sci - Mater Electron* 20(Suppl. 1): 111-115, 2009.

Reznik A, Baranovskii SD, Rubel O, Jandieri K, Kasap SO, Ohkawa Y, Kubota M, Tanioka K, **Rowlands JA**. Avalanche multiplication in amorphous selenium and its utilization in imaging. *J Non-Cryst Solids* 354(19-25): 2691-2696, 2008.

Reznik A, Baranovskii SD, Rubel O, Jandieri K, **Rowlands JA**. Photoconductivity in amorphous selenium blocking structures. *Phys Status Solidi (c)*, 5(3):790-795, 2008.

Reznik N, Komljenovic PT, Germann S, **Rowlands JA**. Digital Radiography using amorphous selenium: Photoconductively activated switch (PAS) readout system. *Med Phys* 35(3): 1039-1050, 2008.

Reznik A, Zhao W, Ohkawa Y, Tanioka K, and **Rowlands JA**. Applications of avalanche multiplication in amorphous selenium to flat panel detectors for medical applications. *J Mater Sci - Mater Electron* 20(Suppl.1): 63-67, 2009.

Richard S, **Siewerdsen JH**. Cascaded systems analysis of noise-reduction algorithms in dual-energy imaging. *Med Phys* 35(2): 586-601, 2008.

Richard S, **Siewerdsen JH**. Comparison of model and human observer performance for detection and discrimination tasks using dual-energy x-ray images. *Med Phys* 35(11): 5043-5053, 2008.

Rink A, Lewis DF, Varma S, **Vitkin IA, Jaffray DA**. Temperature and hydration effects on absorbance spectra and radiation sensitivity of a radiochromic medium. *Med Phys* 35:4545-55, 2008.

**Ringash J**, Lockwood G, **O'Sullivan B, Warde P, Bayley A, Cummings B**, Kim J, Sellmann S, **Waldron J**. Hyperfractionated, accelerated radiotherapy for locally advanced head and neck cancer: Quality of Life in a Prospective Phase I/II Trial. *Radiother Oncol* 87(2): 181-187, 2008.

Ritvo P, Myers R, Del Guidice L, **Paszat L**, Cotterchio M, Howlett R, Mai V, Sullivan T, Rabeneck L. Fecal occult blood testing: people in Ontario are unaware of it and not ready for it. *Can Fam Physician* 55:176-7.e4, 2009.

Ritvo P, Myers R, Del Guidice ML, **Paszat L**, Campbell PT, Howlett RI, Mai V, Sullivan T, Tiro J, Rabeneck L. Factorial validity and invariance of a survey measuring psychosocial correlates of colorectal cancer screening in Ontario. *Cancer Epidemiol Biomarkers Prev* 17(11): 3279 – 83, 2008.

Rizek R, **Paszat LF**, Stukel TA, Saskin R, Li C, Rabeneck L. Rates of complete colonic evaluation after incomplete colonoscopy and their associated factors: A population-based study. *Med Care* 47:48-52, 2009.

Robinson E, Bleakney RR, Ferguson PC, **O'Sullivan B**. Oncodiagnosis panel: 2007: Multidisciplinary management of soft-tissue sarcoma. *Radiographics* 28: 2069-86, 2008.

Rose M, **Bezjak A**. Logistics of collecting patient-reported outcomes (PROs) in clinical practice: an overview and practical examples. *Qual Life Res* 18(1): 125-136, 2009.

**Rosewall T, Chung P, Bayley A**, Lockwood G, **Alasti H, Bristow R**, Kong V, **Milosevic M, Catton C**. A randomized comparison of interfraction and intrafraction prostate motion with and without abdominal compression. *Radiother Oncol* 88(1):88-94, 2008.

**Rosewall T**, Kong V, **Vesprini D, Catton C, Chung P, Ménard C, Bayley A**. Prostate delineation using CT and MRI for radiotherapy patients with bilateral hip prostheses. *Radiother Oncol* 90(3):325-30, 2009.

**Rosewall T**, Yan J, **Bayley AJ, Kelly V**, Pellizzari A, **Chung P, Catton CN**. Evaluating interprofessional variability in the documentation of radiation-induced acute toxicity using the RTOG system during prostate radiotherapy. *Radiother Oncol* 90(3): pp 395–399, 2009.

**Rosewall T**, Yan J, **Bayley AJ**, **Kelly V**, Pellizzari A, **Chung P**, **Catton CN**. Inter-professional variability in the assignment and recording of acute toxicity grade using the RTOG system during prostate radiotherapy. *Radiother Oncol* 90(3), p396-399, 2009.

Ruschin M, Nordstrom H, Kjall P, **Cho Y**, **Jaffray D**. Dependence of intra-cranial peripheral dose on irradiated volume, irradiation time and collimator size using a multiple Cobalt-60 source radiation treatment unit. *Med Phys* 36(6):2069-2073, 2009.

Safieddine N, Xu W, Quadri SM, Knox J, Hornby J, Sulman J, **Wong R**, Guindi M, Keshavjee S, Darling G. Health related quality of life in esophageal cancer: effect of neoadjuvant chemoradiotherapy followed by surgical intervention. *J Thorac Cardiovasc Surg* 137(1) 36-42, 2009.

**Sahgal A**, Chuang C, Huang K, Petti P, Weinstein P, Larson D, Ma L. Split-volume planning of multiple consecutive vertebral body metastases for CyberKnife body radiotherapy. *Med Dosim* 33(3), 175- 179, 2008.

**Sahgal A**, Chou D, Ames C, Ma L, Huang K, Xu W, Chin C, Weinberg V, Chuang C, Weinstein P, Larson D. Stereotactic body radiotherapy is effective salvage therapy for patients with prior radiation of spinal metastases. *Int J Radiat Onc Biol Phys* 74(3), 723-731, 2009.

**Sahgal A**, Jabbari S, Chen J, Roach M, Pickett B, Hsu I, Pouliot J. A comparison of dosimetric and Biological Effective Dose (BED) parameters for the prostate and urethra using Cs-131 and I-125 for prostate brachytherapy. *Int J Radiat Onc Biol Phys* 72(1), 247-254, 2008.

**Sahgal A**, Larson D, Chang EL. Stereotactic body radiosurgery for spinal metastases: A critical review of the state of the art. *Int J Radiat Onc Biol Phys* 71(3), 652-665, 2008.

**Saibishkumar EP**, Borg J, **Yeung I**, Cummins-Holder C, Landon A, **Crook J**. A comparison of seed loss and prostate dosimetry between loose seeds and stranded seeds in <sup>125</sup>I permanent implant for low risk prostate cancer. *Int J Radiat Oncol Biol Phys* 73(1): 61-68, 2008.

**Saibishkumar EP**, Borg J, **Yeung I**, Cummins-Holder C, Landon A, **Crook J**. Loose seeds versus stranded seeds: A comparison of critical organ dosimetry and acute toxicity in <sup>125</sup>I permanent implant for low risk prostate cancer. *Brachytherapy* 7(2): 200-205, 2008.

**Saibishkumar EP**, **Crook J**, Sweet J. Neonatal circumcision and invasive squamous carcinoma of the penis: a report of 3 cases and review of the literature. *Can Urol Assoc J* 2(1): 39-42, 2008.

**Saibishkumar EP**, Mackenzie MA, Severin D, Mihai A, Hanson J, Daly H, Fallone G, Parliament MB, Abdulkarim BS. Skin-sparing radiation using intensity-modulated radiotherapy after conservative surgery in early-stage breast cancer: A planning study. *Int J Radiat Oncol Biol Phys* 70(2): 485-91, 2008.

Salvo N, Christakis M, Rubeinstein J, de Sa E, Napolskikh J, **Sinclair E**, Ford M, Goh P, **Chow E**. The role of plain radiographs in management of bone metastases. *J Palliat Med* 12(2):195-198, 2009.

Salvo N, Hadi S, Napolskikh J, Goh P, **Sinclair E**, **Chow E**. Quality of life measurement in cancer patients receiving palliative radiotherapy for symptomatic lung cancer: A literature review. *Curr Oncol* 16(2):1-13, 2009.

Sanghera P, Gardner S, Scora D, **Davey P**. Early expansion of the intracranial CSF volume after palliative whole-brain radiotherapy: Results of a longitudinal CT segmentation analysis. *Int J Radiat Oncol Biol Phys* (published online June 2009).

Sawka AM, Goldstein DP, **Brierley JD**, **Tsang RW**, Rotstein L, Ezzat S, Straus S, George SR, Abbey S, Rodin G, O'Brien MA, Gafni A, Thabane L, Goguen J, Naeem A, Magalhaes L. The impact of thyroid cancer and post-surgical radioactive iodine treatment on the lives of thyroid cancer survivors: A qualitative study. *PLoS ONE* 4(1) e4191, 2009.

Sawka AM, Lakra DC, Lea J, Alshershri B, **Tsang R**, **Brierley JD**, Straus S, Thabane L, Gafni A, Ezzat S, George S, Goldstein DP. A systematic review examining the effects of therapeutic radioactive iodine on ovarian function and future pregnancy in female thyroid cancer survivors. *Clin Endocrinol* 69(3): 479-90, 2008.

Sawka AM, Thabane L, Parlea L, Ibrahim-Zada I, **Tsang RW**, **Brierley JD**, Straus S, Ezzat S, Goldstein DP. Second primary malignancy risk after radioactive iodine treatment for thyroid cancer: A systematic review and meta-analysis. *Thyroid* 19(5): 451-457, 2009.

Scott NW, Fayers PM, Aaronson NK, Bottomley A, de Graeff A, Groenvold M, Koller M, Petersen MA, Sprangers MA, EORTC Quality of Life Group; Quality of Life Cross-Cultural Meta-Analysis Group (**Bezjak A**). The relationship between overall quality of life and its subdimensions was influenced by culture: analysis of an international database. *J Clin Epidemiol* 61(8): 788-95, 2008.

Seshadri T, Pintilie M, Kuruvilla J, Keating A, **Tsang R**, Zadeh S, Crump M. Incidence and risk factors for second cancers after autologous hematopoietic cell transplantation for aggressive non-Hodgkin lymphoma. *Leuk Lymphoma* 50 (3): 380-86, 2009.

**Sharpe MB**, **Brock K**. Quality Assurance of Serial 3D Image Registration, Fusion, and Segmentation, *Int J Radiat Oncol Biol Phys* 71(1 Suppl):S33-7, 2008.

Shkumat NA, **Siewerdsen JH**, Dhanantwari AC, Williams DB, Richard S, Paul NS, Yorkston J, and Van Metter R. Dual-energy imaging of the chest: Optimization of image acquisition techniques for the 'bone-only' image. *Med Phys* 35(2): 629-632, 2008.

Shkumat NA, **Siewerdsen JH**, Dhanantwari AC, Williams DB, Richard S, Paul NS, Yorkston J, and Van Metter R. Cardiac gating with a pulse oximeter for double-shot dual-energy imaging. *Phys Med Biol* 53(21): 6097-6112, 2008.

Sia M, Pickles T, **Morton G**, Souhami L, Lukka H, **Warde P**. Salvage radiotherapy following biochemical relapse after radical prostatectomy: proceedings of the Genito-Urinary Radiation Oncologists of Canada consensus meeting. *Can Urol Assoc J* 2(5): 500-507, 2008.

Sia M, **Rosewall T**, **Warde P**. Radiotherapy as primary treatment modality. *Front Radiat Ther Oncol* 41:15–25, 2008.

Sliarenko J, **Vesprini D**, **Warde P**. Stage I Seminoma; What should a practicing Uro-Oncologist do in 2009? *Int J Urol* (published online April 2009).

Sluijter JC, Gasc JM, van Wanroij JL, Kisters N, Groeneweg M, Sollewijn Gelpke MD, Cleutjens JP, van den Akker LH, Corvol P, **Wouters BG**, Daemen MJ, Bijns AP. Hypoxia, hypoxia-inducible transcription factor, and macrophages in human atherosclerotic plaques are correlated with intraplaque angiogenesis. *J Am Coll Cardiol* 51(13): 1258-65, 2008.

Somani S, **Sahgal A**, Krema H, **Heydarian M**, McGowan H, **Payne D**, Xu W, **Michaels H**, **Laperriere N**, Simpson RE. Stereotactic radiotherapy in the treatment of juxtapapillary choroidal melanoma: 2 year follow-up. *Can J Ophthalmol* 44(1), 61-65, 2009.

**Spayne J**, **Ackerman I**, **Milosevic M**, Seidenfeld A, Covens A, **Paszat L**. Invasive cervical cancer: a failure of screening. *Eur J Public Health* 18:162-5, 2008.

Spirou GM, Mandelis A, **Vitkin IA**, Whelan WM. Frequency domain photothermoacoustic signal amplitude dependence on the optical properties of water: Turbid polyvinyl chloride-plastisol system. *Appl Opt* 47:2564-573, 2008.

Standish BA, Lee KKC, Jin X, Smolen J, Mariampillai A, Munce NR, Wilson BC, **Vitkin IA**, Yang VXD. Interstitial Doppler optical coherence tomography as a local tumour necrosis predictor in photodynamic therapy of prostatic carcinoma: An in-vivo study. *Cancer Res* 68:1-9, 2008.

Starmans MH, Krishnapuram B, Steck H, Horlings H, Nuyten DS, van de Vijver MJ, Seigneuric R, Buffa FM, Harris AL, **Wouters BG**, Lambin P. Robust prognostic value of a knowledge-based proliferation signature across large patient microarray studies spanning different cancer types. *Br J Cancer* 99(11):1884-90, 2008.

Subarsky P, **Hill RP**. Graded hypoxia modulates the invasive potential of HT1080 fibrosarcoma and MDA MB231 carcinoma cells. *Clin Exp Metastasis* 25(3): 253-64, 2008.

Sultana A, Reznik A, Karim KS, **Rowlands JA**. Design and feasibility of active matrix flat panel detector using avalanche amorphous selenium for protein crystallography. *Med Phys* 35(10): 4324-4332, 2008.

Sultana A, Reznik A, Karim KS, **Rowlands JA**. Design and feasibility of active matrix flat panel detector using avalanche amorphous selenium for protein crystallography. *Virtual J Biol Phys Res* 16(6), 2008.

Supiot S, Shubbar S, Fleshner N, **Warde P**, Hersey K, Wallace K, Cole H, Sweet J, Tsihlias J, Jewett MAS, Klotz L, **Bristow R**. A Phase I trial of pre-operative radiotherapy for high-risk prostate cancer: Clinical and translational analyses. *Radiother Oncol* 88(1):53-60, 2008.

Supiot S, **Hill RP**, **Bristow RG**. Nutlin-3 radiosensitizes hypoxic prostate cancer cells independent of p53. *Mol Cancer Ther* 7(4): 993-9, 2008.

Supiot S, Shubbar S, Fleshner N, **Warde P**, Hersey K, Wallace K, Cole H, Sweet J, Tsihlias J, Jewett MA, Klotz L, **Bristow RG**. A phase I trial of pre-operative radiotherapy for prostate cancer: clinical and translational studies. *Radiother Oncol*, 88(1):53-60, 2008.

Supiot S, Zhao H, Wiman K, **Hill RP**, **Bristow RG**. PRIMA-1(met) radiosensitizes prostate cancer cells independent of their MTP53-status. *Radiother Oncol* 86(3): 407-11, 2008.

Sutradhar R, **Paszat L**, Rabeneck L. Accuracy of CT colonography for colorectal cancer screening. *N Engl J Med*. 359:2843- 2844, 2008.

Szeto T, Webster CA, Koprinarov I, **Rowlands JA**. The x-ray light valve: a low-cost, digital radiographic imaging system - a liquid-crystal-cell design for chest radiography. *Med Phys* 35(3): 959-967, 2008.

**Szumacher E**, **Harnett N**, Kelly K, **Crook J**, **Danjoux C**, **Barker R**, **Woo M**, **Mah K**, **Ackerman I**, Dubrowski A, Rose S. The effectiveness of an educational intervention on the congruence of prostate and rectal contouring as compared to a gold standard in planning for three-dimensional radiotherapy for prostate cancer (3D-CRT). *Int J Radiat Oncol Biol Phys* (published online May 2009).

Taggart L, Ozolins L, Hardie H, **Nyhof-Young J**. Look Good Feel Better Workshops: A 'big lift' for women with cancer. *J Cancer Educ* 24: 1-6, 2009.

Tallman RE, Reznik A, Weinstein BA, Baranovskii SD, **Rowlands JA**. Similarities in the kinetics of photocrystallization and photodarkening in a-Se. *Appl Phys Lett* 93 (21), 212103, 2008.

Tallman RE, Weinstein BA, Reznik A, Kubota M, Tanioka K, **Rowlands JA**. Photocrystallization in a-Se imaging targets: Raman studies of competing effects. *J Non-Cryst Solids*, 354(40-41), 4577-4581, 2008.

Tang CI, **Loblaw DA**, **Cheung P**, **Holden L**, **Morton G**, **Basran PS**, Tirona R, Cardoso M, **Pang G**, Gardner S, Cesta A. Phase I/II study of a five-fraction hypofractionated accelerated radiotherapy treatment for low-risk localised prostate cancer: early results of pHART3. *Clin Oncol* 20(10):729-737, 2008.

Teh AY, Park-Somers E, Shen L, **Chung HT**. 3D volumetric analysis of irradiated lung with adjuvant breast irradiation. *Int J Radiat Oncol Biol Phys* (published online May 2009).

Tharmalingam S, **Chow E**, Harris K, Hird A, **Sinclair E**. Quality of life measurement in bone metastases: a literature review. *J Pain Res* (published online December 2008).

**Thomas G**, Aalders J. Rational risk based nodal staging in endometrial cancer response to letter to editor. *Gyn Oncol* 109:151-152, 2008.

Timmerman R, Bizakis C, Pass H, Fong Y, Dupuy D, **Dawson LA**, Lu D. Local Surgical, Ablative, and Radiation Treatment of Metastases. *CA Cancer J Clin* 59(3):145-70, 2009.

Toma J, **Paszat L**, Gunraj N, Rabeneck L. Rates of new or missed colorectal cancer after barium enema and their risk factors: A population-based study. *Am J Gastroenterol* 103:3142-8, 2008.

Trabulsi EJ, Valicenti RK, Hanlon AL, Pisansky TM, Sandler HM, Kuban DA, **Catton CN**, Michalski JM, Zelefsky MJ, Kupelian PA, Lin DW, Anscher MS, Slawin KM, Roehrborn CG, Forman JD, Liauw SL, Kestin LL, DeWeese TL, Scardino PT, Stephenson AJ, Pollack A. A multi-Institutional matched-control analysis of adjuvant and salvage postoperative radiation therapy for pT3-4N0 prostate cancer. *Urol* 72(6):1298-1302, 2008.

Tse R, Guha C, **Dawson LA**. Conformal radiotherapy for hepatocellular carcinoma. *Crit Rev Oncol Hematol* 67(2):113-23, 2009.

Tse RV, Hawkins M, Lockwood G, **Kim J, Cummings B**, Knox J, Sherman M, **Dawson LA**. Phase I study of individualized stereotactic body radiotherapy for hepatocellular carcinoma and intrahepatic cholangiocarcinoma. *J Clin Oncol* 26: 657-664, 2008.

Tward DJ, **Siewerdsen JH**. Cascaded systems analysis of the 3D noise-power spectrum of flat-panel cone-beam CT. *Med Phys* 35(12): 5510-5529, 2008.

Urowitz S, **Wiljer D**, Apatu E, Eysenbach G, DeLeonardo C, Harth T, Pai H, Leonard K. Is Canada ready for patient accessible electronic health records? A national scan. *BMC: Med Inform Decis Mak* 8:33, 2008.

Vachhrajani S, Fawaz C, Mathieu D, **Ménard C**, Cusimano MD, Gentili F, Hodaie M, Kenny B, Kulkarni AV, **Laperriere N**, Schwartz M, Tsao T, Bernstein M. Complications of Gamma Knife Radiosurgery: A Report from Two Canadian Centres. *J Neurosurg* 109: 2-7, 2008.

van Baardwijk A, Bosmans G, Bentzen SM, Boersma L, Dekker A, Wanders R, **Wouters BG**, Lambin P, De Ruyscher D. Radiation dose prescription for non-small-cell lung cancer according to normal tissue dose constraints: an in silico clinical trial. *Int J Radiat Oncol Biol Phys* 71(4): 1103-10, 2008.

**Vesprini D, Ung Y, Dinniwell R, Breen SL**, Cheung F, Grabarz D, **Kamra J, Mah K**, Mansouri A, Pond G, **Brock K**, Darling G, Knox J, Haider M, **Wong RKS**. Improving observer variability in target delineation for gastro-oesophageal cancer: the role of 18F-fluoro-2-deoxy-D-glucose positron emission tomography/computed tomography. *Clin Oncol* 20:631-638, 2008.



Vlad RM, Alajez N, Giles A, Kolios MC, **Czarnota GJ**. Quantitative ultrasound characterization of cancer radiotherapy effects in vitro. *Int J Radiat Oncol Biol Phys* 15, 1236-1243, 2008.

Vlad RM, Brand S, Giles A, Kolios MC, **Czarnota, G J**. Quantitative ultrasound characterization of responses to radiotherapy in cancer mouse models. *Clin Cancer Res* 15, 2067-2075, 2009.

**Waldron J, O'Sullivan B, Warde P, Ringash J, Kim J, Bayley A, Cummings B**. Hyperfractionated accelerated radiation in head and neck cancer. *Radiother Oncol* 87(2):173-180, 2008.

**Waldron J, Warde P, Irish J, Pintilie M, Sellmann S, Bayley A, Cummings B, Kim J, Liu FF, Payne D, Ringash J, Brown D, Freeman J, Gilbert R, Gullane P, Witterick I, O'Sullivan B**. A dose escalation study of hyperfractionated accelerated radiation delivered with integrated neck surgery (HARDWINS) for the management of advanced head and neck cancer. *Radiother Oncol* 87: 173-180, 2008.

Webster CA, Koprinarov I, Germann S, **Rowlands JA**. The x-ray light valve: a low-cost, digital radiographic imaging system - concept and implementation. *Med Phys*, 35(3): 939-949, 2008.

Wei Xu G, Mawji IA, Macrae CJ, **Koch CA**, Datti A, Wrana JL, Dennis JW, Schimmer AD. A high content chemical screen identifies ellipticine as a modulator of p53 nuclear localization. *Apoptosis* 13(3): 413-422, 2008.

White EA, **Brock KK, Jaffray DA, Catton CN**. Inter-observer variability of prostate delineation on Cone-Beam CT images. *Clin Oncol* 21:32-38, 2009.

Whitton A, **Warde P, Sharpe MB**, Oliver TK, Bak K, Leszczynski K, Etheridge S, Fleming K, Gutierrez E, Favell L, and Green E. Organisational standards for the delivery of intensity-modulated radiation therapy in Ontario. *Clin Oncol* 21(3)192-203, 2009.

**Wiljer D**, Urowitz S, Apatu E, DeLenardo C, Eysenbach G, Harth T, Pai H, Leonard K. Canadian Committee for Patient Accessible Health Records (CCPAEHR). Patient accessible electronic health records: Exploring recommendations for successful implementation strategies. *J Med Internet Res* 10(4):e34, 2008.

**Wiljer D**, Urowitz S, Apatu E, DeLenardo C, Eysenbach G, Harth T, Pai H, Leonard KJ, **Gospodarowicz M**. Canadian Committee for Patient Accessible Health Records. Patient accessible electronic health records: exploring recommendations for successful implementation strategies. *J Med Internet Res* 10(4):e34, 2008.

Wong J, **Breen D, Balogh J, Czarnota GJ, Kamra J, Barnes EA**. Treating recurrent cases of squamous cell carcinoma with radiotherapy. *Curr Oncol* 15(5): 229-233, 2008.

Wong J, Hird A, Zhang L, **Tsao M, Sinclair E, Barnes E, Danjoux C, Chow E.** Symptoms and quality of life in cancer patients with brain metastases following palliative radiotherapy. *Int J Radiat Oncol Biol Phys* (published online February 2009).

Wong J, **Chow E**, De Sa E, Rowsell C, Probyn L, Christakis M, **Sinclair E**, Law C, Finkelstein J. Immediate pain relief and improved structural stability following percutaneous vertebroplasty for a severely destructive vertebral compression fracture. *J Palliat Med* 12(1):97-100, 2009.

Wong J, Hird A, Kirou-Mauro A, Napolskikh J, **Chow E.** Quality of life in brain metastases radiation trials: A literature review. *Curr Oncol* 15(5):25-45, 2008.

Wong J, Hird A, Zhang L, **Tsao M, Sinclair E, Barnes E, Danjoux C, Chow E.** Symptoms and quality of life in cancer patients with brain metastases following palliative radiotherapy. *Int J Radiat Oncol Biol Phys* (published online February 2009).

Wong JJ, Breen D, **Balogh J, Czarnota GJ**, Kamra J, **Barnes EA.** Treating recurrent cases of squamous cell carcinoma with radiotherapy. *Curr Oncol* 72, 1236-1243, 2008.

**Wong R**, Berry S, Spithoff K, Simunovic M, Chan K, Agboola O, Dingle B, Rumble RB, **Cummings B**, and the Gastrointestinal Cancer Disease Site Group Preoperative or Postoperative Therapy for the Management of Patients with Stage II or III Rectal Cancer. *Cancer Care Ontario Practice Guideline Initiative Evidence Based Series: #2-4* (published online July 2008)..

**Wong RK**, Paul M, Ding K, Whitehead M, Rundage M, **Fyles A**, Wilke D, Nabid A, Fortin A, Wilson D, McKenzie M, **Ackerman I**, Souhami L, Chabor P, Pater J. 5-Hydroxytryptamine-3 receptor antagonist with or without short-course dexamethasone in the prophylaxis of radiation induced emesis: A placebo-controlled randomized trial of the National Cancer Institute of Canada Clinical Trials Group (SC19). *J Clin Oncol* 24(21):3458-64, 2008.

Wood MFG, Côté D, **Vitkin IA**, Combined optical intensity and polarization methodology for analyte concentration determination in simulated optically clear and turbid biological media. *J Biomed Opt* 13:044-037, 2008.

Wood MFG, Ghosh N, Moriyama EH, Wilson BC, **Vitkin IA.** Proof-of-principle demonstration of a Mueller matrix decomposition method for polarized light-based tissue characterization in vivo. *J Biomed Opt*, 14:014029, 2009.

Woodward WA, **Bristow RG.** Radiosensitivity of cancer initiating cells and normal stem cells. *Semin Rad Onc* 19(2):87-95, 2009.

**Wouters BG.** Proteomics: methodologies and applications in oncology. *Semin Radiat Oncol*, 18(2):115-25, 2008.

**Wouter BG, Koritzinsky M.** Hypoxia signalling through mTOR and the unfolded protein response in cancer. *Nat Rev Cancer* 8(11): 851-64, 2008.

Wronski M, **Rowlands JA**. Direct-conversion flat-panel imager with avalanche gain: Feasibility investigation for HARP-AMFPI. *Med Phys* 35(12), 5207-5218, 2008.

Yang D, Lu W, Low DA, Deasy JO, **Hope AJ**, El Naqa I. 4D-CT motion estimation using deformable image registration and 5D respiratory motion modeling. *Med Phys* 35(10): 4577-4590, 2008.

Yang J, Ahmed A, Poon E, Perusinghe N, de Haven B, Box G, Valenti M, Eccles S, Rouschop K, **Wouters BG**, Ashcroft M. Small molecule activation of p53 blocks HIF-1{alpha} and VEGF expression in vivo and leads to tumor cell apoptosis in normoxia and hypoxia. *Mol Cell Biol* (published online February 2009).

Yoon FH, Gardner SL, **Danjoux C, Morton G, Cheung P**, Choo R. Testosterone recovery after prolonged androgen suppression in prostate cancer patients. *J Urol* 180(4):1438-1443, 2008.

Yu E, Kassel EE, Irish J, **O'Sullivan B**, Bartlett E. Malignant melanoma of the head and neck: Presentation of three cases and review of the literature. *J Otolaryngol Head Neck Surg*, 37: E138-42, 2008.

Yu H, Caldwell CB, **Mah K**, and Mozeg D. Co-registered FDG PET/CT based textural characterization of head and neck cancer for radiation treatment planning. *IEEE Transactions Med Imaging* 28 (3): 374-383, 2009.

Zeng GG, **Breen SL, Bayley A**, White E, Keller H, **Dawson LA, Jaffray DA**. A method to analyze the cord geometrical uncertainties during head and neck radiation therapy using cone beam CT. *Radiother Oncol* 90(2): 228-30, 2009.

Zinchenko Y, **Craig T, Keller H**, Terlaky T, **Sharpe M**. Controlling the dose distribution with gEUD-type constraints within the convex radiotherapy optimization framework. *Phys Med Biol* 53:3231-3259, 2008.

Zwahlen D, Jezioranski J, Chan P, Haider MA, **Cho YB, Yeung I, Levin W, Manchul L, Fyles A, Milosevic M**. Magnetic resonance imaging-guided intracavitary brachytherapy for cancer of the cervix. *Int J Radiat Oncol Biol Phys* 74(4):1157-64, 2009.

## Non Peer-Reviewed Publications

Akinfemiwa Y, Chafanskaia C, **Nyhof-Young J**. Bra-buying guide for breast cancer patients. UHN Distributed pamphlet, 2008.

Bernstein M, **Ménard C**. Gamma knife facility for neurological conditions: A provincial resource. *Ontario Medical Review* 75(9):9-10, 2008.

**Bolderston A**. What's your (learning) style? Over-X-Posure, Medical Radiation Sciences Program Newsletter Winter (3), 2009.

**Brock K, Dawson LA**. Adaptive radiation therapy for liver cancer. *Seminars of Radiation Oncology*, 2009.

Campos S, Hird A, Flynn C, **Chow E**. The not-so-crystal ball: The ongoing challenge of physician prognostication. *Commentary, J Psychosom Res* 65(1):67-69, 2008.

**Catton, C**. Invited commentary. The promise and challenge of minimally invasive therapy *CUAJ* 3(2): 142, 2009.

**Chow E**. Radiation therapy for symptom palliation in cancer. *Cancer Pain Relief* 21 (3-4):1-10, 2008.

Das P, Ng A, Constone LS, **Hodgson DC**, Mendenhall NP, Morris De, Yunes MP, Chauvenet AR, Hudson MM, Winter JN. ACR appropriateness criteria on Hodgkin's lymphoma: Favorable prognosis stage I and II. *Journal of the American College of Radiology* 5(10): 1054-66, 2008.

**Dawson LA**. How do we safely irradiate liver metastases? *American Society of Clinical Oncology Educational Book*, 2008.

**Dawson LA**. Role of radiation therapy for hepatocellular carcinoma, with and without portal vein thrombosis. *American Society of Clinical Oncology GI Educational Book*, 2009.

**Dawson LA**. Hepatocellular carcinoma radiation therapy: From palliation to cure. *Proceedings for the 58th Annual Meeting of the Radiologic Society of the Republic of China* TS01, 257, 2009.

**Dawson LA**. Ismail A, Krishnan S, Ng I, Imai R, Salminen E, Seong J. The first IAEA consensus report of role of radiation therapy in hepatocellular carcinoma: Guidelines for the palliative management of common cancers using radiotherapy in limited resource settings. *The Applied Radiation Biology and Radiotherapy Section of the Division of Human Health, International Atomic Energy Agency (IAEA)*, 2009.

Eskander A, Barker E, Goldstein DP, **Siewerdsen JH**, Irish JC. Cone-beam CT for image guided surgery of the head and neck. *University of Toronto Medical Journal* 86(1): 21-24, 2008.

**Evans M.** The ride to conquer cancer. Over-X-posure, Medical Radiation Sciences Program Newsletter, 2008.

Fahrig R, Ganguly A, Lillaney P, Bracken J, **Rowlands JA**, Wen Z, Yu HZ, Rieke V, Santos JM, Pauly KB, Sze DY, Frisoli JK, Daniel BL, Pelc NJ. Design, performance, and applications of a hybrid X-Ray/MR system for interventional guidance. Proceedings of the Institute of Electrical and Electronics Engineers (IEEE) 96(3):468-480, 2008.

Goda JS, **Tsang RW.** Involved field radiotherapy for limited stage Hodgkin lymphoma: Balancing treatment efficacy against long-term toxicities. Hematol Oncol (published online: Mar 8, 2009).

Goldan AH, Karim KS, Reznik A, Caldwell CB, **Rowlands JA.** Photon counting readout pixel array in 0.18- $\mu\text{m}$  CMOS technology for on-line gamma-ray imaging of  $^{103}\text{-palladium}$  seeds for permanent breast seed implant (PBSI) brachytherapy. Medical Imaging 2008: Physics of Medical Imaging, Proc, SPIE 6913, 6913 0S, 2008.

Jandieri K, Rubel O, Baranovskii SD, Reznik A, **Rowlands JA**, Kasap SO. Lucky-drift model for impact ionization in amorphous semiconductors. Proceedings of 2nd International Conference on Optical and Optoelectronic Properties of Materials and Applications, London, England, July 30-Aug 03, 2007, Journal of Materials Science-Materials in Electronics 20(1):221-225, 2009.

Koh WY, Ren W, Mukherjee RK, **Chung HT.** Selected for supplemental commentary in UroToday.com, May 22, 2009: Internal audit of a comprehensive IMRT program for prostate cancer: A model for centers in developing countries? Int J Radiat Oncol Biol Phys (published online: Feb 26, 2009).

Kollmansberger C, **Warde P.** Stage I Testicular Seminoma – Radiotherapy versus carboplatin for stage I seminoma: Updated analysis of the MRC/EORTC randomized trial (ISRCTN27163214). The Journal for Canadian Cancer Professionals – Oncology Exchange 7(4):28, 2008.

Lalani N, Urowitz, S, Chafanskia A, Haines S, **Nyhof-Young J.** Healthy weight pamphlet for breast cancer survivors. Patient self-management tool distributed in the Breast Clinic, Princess Margaret Hospital, 2009.

Lillaney P, Bracken J, Ganguly A, **Rowlands JA**, Fahrig R. Development of an MR compatible rotating anode x-ray tube. Medical Imaging 2008: Physics of Medical Imaging Proc. of SPIE 6913, 691347, 1-10, 2008.

Lim K, **Fyles A, Milosevic M.** In Reply to Wang et al.: MRI for cervical cancer: Not only correlates with tumor hypoxia, but also predicts ultimate outcome - in regard to Lim et al. Int J Radiat Oncol Biol Phys 71(5):1603, 2008.

Leonard K, Casselman M, **Wiljer D**. Who will demand access to their personal health record? A focus on the users of health services and what they want. *Healthcare Quarterly* 11(1):84-87, 2008.

Leonard K, **Wiljer D**, Urowitz S. Yes, Virginia – there are system benefits to be gained from providing patients access to their own health information. *Healthcare Quarterly* 11(4):64-68, 2008.

**Loblaw DA**. Embracing technology improves prostate outcomes and patient convenience. *UroToday.com*, Berkley, January 2009.

Mail M, **Moseley DJ**, **Siewerdsen JH** and **Jaffray DA**. An empirical lag correction method in cone-beam CT. *Med Phys* 35(11):5187-5196, 2008.

Mitchell A, **Bolderston A**, Penner C, Yendley K. The Canadian Radiation Therapy Clinical Educators Network. *J Med Rad Sci* 39(4):211-212, 2008.

**Nyhof-Young J**, Barnwell S, Tullio-Pow S. I can't find a thing to wear: Innovative functional clothing and accessories for female breast cancer survivors with lymphedema. *Lymphovenous Association of Ontario* 11(2):9, Spring/Summer, 2008.

**Nyhof-Young J**, Barnwell S, Tullio-Pow S. I can't find a thing to wear: Innovative functional clothing and accessories for female breast cancer survivors with lymphedema. *Renewed Strength Newsletter*, December, 2008.

**Nyhof-Young J**, Gooi P, Verbeeten K, Kim B. A courageous journey: Experiences with testicular cancer, Second Edition. Patient Education Network Publishing, UHN, distributed pamphlet, 45 pages, 2008.

Pineda A, **Siewerdsen JH**, Tward DJ. Analysis of image noise in 3D cone-beam CT: Spatial and Fourier domain approaches under conditions of varying stationarity. *SPIE Physics of Medical Imaging* 6913:69131Q, 2008.

Reznik A, Zhao W, Ohkawa Y, Tanioka K, **Rowlands JA**. Applications of avalanche multiplication in amorphous selenium to flat panel detectors for medical applications, Proceedings of 2nd International Conference on Optical and Optoelectronic Properties of Materials and Applications, London, England, July 30-Aug 03, 2007. *Journal of Materials Science-Materials in Electronics* 20(1):63-67, 2009.

Reznik A, Baranovskii SD, Klebanov M, Lyubin V, Rubel O, **Rowlands JA**. Reversible vs irreversible photodarkening in a-Se: the kinetics study, Proceedings of 2nd International Conference on Optical and Optoelectronic Properties of Materials and Applications, London, England, July 30-Aug 03, 2007. *Journal of Materials Science-Materials in Electronics* 20(1):111-115, 2009.

Richard S, **Siewerdsen JH**, Tward DJ. NEQ and task in dual-energy imaging: From cascaded systems analysis to human observer performance. *SPIE Physics of Medical Imaging* 6913:691311, 2008.

Safavian N, Chaji GR, Karim KS, **Rowlands JA**. A novel hybrid active-passive pixel with correlated double sampling CMOS readout circuit for medical x-ray imaging 2008 Institute of Electrical and Electronics Engineers (IEEE) International Symposium on Circuits and Systems, Seattle. Proceedings 1-10:3170-3173, 2008.

Safavian N, Karim KS, Nathan A, **Rowlands JA**. A 3-TFT hybrid active-passive pixel with correlated double sampling CMOS readout circuit for real-time medical X-ray imaging. 34th European Solid-State Circuits Conference, Edinburgh, Scotland. Proceedings 122-125, 2008.

Safka K, Durkee L, **Nyhof-Young J**. Cancer-related fatigue: Are you tired from it? UHN distributed pamphlet, 2008.

**Sahgal A**. Stereotactic body radiotherapy in bone metastases. In: Helping you to help yourself: A guide for patients diagnosed with bone metastases. Toronto: Sunnybrook Odette Cancer Center 28-29, 2008.

**Sahgal A**, Chang E, **Basran PS**, Larson DA, Ma L. The uncertainties for spine stereotactic body radiotherapy: Is it safe? Interactions (Newsletter for Canadian Association of Medical Physicists) 55(1):16-25, 2009.

**Sahgal A**, **Chow E**. Commentary. Stereotactic body radiotherapy in the management of painful bone metastases - the challenges ahead. *Oncology* 22(7):788-789, 2008.

**Sahgal A**, Lui E, **Loblaw A**. Sophisticated prostate cancer radiation: Does it live up to the hype? *Our Voice* 4(2): 5-7, 2008.

**Sahgal A**, **Tsao MN**. Gamma knife radiosurgery: Clinical applications, 2008.

Shah R, Chafanskaia A, **Nyhof-Young J**. Breast cancer and bone health. Patients in the Breast Cancer Survivorship Program, 20 minute on-line audio recorded Power Point presentation, 2009.

Shankar SM, Marina N, Hudson M, **Hodgson DC**, Adams MJ, Bhatia S, Meeske K, Chen MH, Kinahan KE, Steinberger J, Rosenthal D. Monitoring for cardiovascular disease in survivors of childhood cancer. Report from the Cardiovascular Disease Task Force of the Children's Oncology Group. *Pediatrics* 121(2):387-96, 2008.

Spithoff K, **Cummings B**, Jonker D, Biagi J, and the Gastrointestinal Cancer Disease Site Group. Management of squamous cell cancer of the anal canal: Guideline Recommendations. EBS #2-8, Cancer Care Ontario, 2009.

Sultana A, Karim KS, **Rowlands JA**. Large area direct x-ray conversion detector for protein crystallography. Proceedings of the Institute of Electrical and Electronics Engineers (IEEE) Canadian Conference on Electrical and Computer Engineering, 2008 (CCECE '08) 1-4, 947-950, 2008.

Sultana A, Karim KS, **Rowlands JA**. Selenium based amorphous silicon flat panel digital x-ray imager for protein crystallography. Proceeding of Canadian Conference on Electrical and Computer Engineering, Niagara Falls, Canada, May 04-07, 2008. Canadian Journal of Electrical Computer Engineering 33(3-4):139-142, 2008.

Sultana A, Karim KS, **Rowlands JA**. Effect of anomalous scattering and K-fluorescence reabsorption on the performance of selenium. Institute of Electrical and Electronics Engineers (IEEE) International Semiconductor Conference (CAS 2008), Sinaia, Romania. Proceedings 1:193-196, 2008.

Tullio-Pow S, Barnwell S, **Nyhof-Young J**. Engineering clothing for improved quality of life: A collection for female breast cancer survivors with Dr. Vodder School International Lymphedema. Therapy News 12(2): 7, 2008.

Tullio-Pow S, Barnwell S, **Nyhof-Young J**. A clothing collection designed for female breast cancer survivors with lymphedema. National Lymphedema Network (Apr/June): 7-10, 2009.

Tullio-Pow S, Barnwell S, **Nyhof-Young J**. SANSU: The Canadian design company that champions clothing solutions for persons with lymphedema. Video and interview with Lymphovenous Canada, 2009.

Tward DJ, **Siewerdsen JH**, Fahrig RA, Pineda A. Cascaded systems analysis of the 3D noise transfer characteristics in cone-beam CT and tomosynthesis. SPIE Physics of Medical Imaging 6913:69131S, 2008.

Urowitz S, **Wiljer D**, **Catton P**. Younger women with breast cancer staying connected through Caring Voices. Network news: Essential news for Canadians affected by breast cancer 12(1):26, 28, 2008.

Wan JF, **Bezjak A**. Superior vena cava syndrome. Emerg Med Clin North Am 27(2):243-55, 2009.

**Warde P**. Radiotherapy: Practical applications and clinical aspects. Medicine 36:15-18, 2008.

**Yeboah C**. Measurement of leakage radiation from fixed electron applicators on Siemens Primus units. Internal Report, Medical Physics Dept., Odette Cancer Centre, Toronto, 2008.

Zhao W, Li D, Egami N, Nanba M, Honda Y, Kubota M, Tanioka K, **Rowlands JA**. An indirect flat-panel detector with avalanche gain for low dose x-ray imaging: SAPHIRE (scintillator avalanche photoconductor with high resolution emitter readout), Medical Imaging 2008: Physics of Medical Imaging, Proc. SPIE 6913,69130M, 2008.



## Books and Book Chapters

**Barbera L.** Cancer System Quality Index: End of life care, 2005-2009. Toronto: Cancer Quality Council of Ontario, Cancer Care Ontario, 2009.

**Barnes EA.** Palliative radiation oncology. In: The M.D. Anderson Palliative Care Handbook, 4th Edition. Houston: Printing Services, The University of Texas-Houston Health Sciences, 2008.

Bartlett D, Di Bisceglie AM, **Dawson LA.** Cancer of the liver. In: Cancer Principles and Practice of Oncology, 7<sup>th</sup> Edition. DeVita VT, Lawrence TS and Rosenberg SA (Eds.), Philadelphia: Lippincott-Raven, 2008.

Braybrooke J, Yee A, **Chow E.** Palliative orthopedic surgery. In: Palliative Medicine, Walsh D (Ed.). Elsevier Science Health Science div, 2009.

**Brierley JD, Tsang RW.** External beam radiation therapy for thyroid cancer. In: Thyroid Tumors, Ezzat S. and Asa S. L. Eds., Endocrinology and Metabolism Clinics of North America. 37(2): 457-480, 2008.

**Brock K, Dawson LA.** Image guidance for liver cancer. In: Image Guided and Adaptive Radiation Therapy, Timmerman RD and Xing L, Baltimore: Lippincott, Williams, and Wilkins, 2009.

Bruland O, Hird A, **Chow E.** Radiotherapy of skeletal metastases. In: Primer on the Metabolic Bone Diseases and Disorders of Mineral Metabolism, 7th Edition. Rosen C (Ed.), American Society for Bone and Mineral Research, 2008.

**Catton C.** Management of malignant cardiac tumors: Clinical considerations. Seminars in Diagnostic Pathology. Elsevier Publishing Inc., 25(1) 69-75, 2008.

**Catton C** and **Craig T.** Target and motion considerations. In: Image Guided Radiotherapy for Prostate Cancer. Valicenti RK, Dicker AP, Jaffray DA (Eds), Informa Healthcare, 2008. Chapter 5.

**Chow E,** Finkelstein J, Coleman R. Metastatic cancer to the bone. In: Cancer: Principles and Practice of oncology. 8th Edition. DeVita V, Lawrence T, Rosenberg S (Eds.), Lippincott Williams & Wilkins, 2008. 2510-2522. Principal Author

**Chow E,** Yee A. Bone secondaries. In: Prognosis in advanced cancer. Glare P and Christakis N (Eds.), Oxford University Press, 2008. 269-284.

**Chow JCL.** Some medical applications of MOSFETs in radiation therapy: Surface dose and electron backscatter measurements with Monte Carlo simulations. In: MOSFETs: Properties, preparations and performance. Andre NT and Simon LM (Eds.), Nova Publisher, 2009.

**Chung PW, O'Sullivan B.** Soft tissue sarcoma. In: Handbook of Radiation Oncology. Haffty BG and Wilson LD (Eds.), Sudbury, Massachusetts: Jones and Bartlett Publishers, 2008. 629-648.

**Chung HT.** Prostate cancer. In: Radiation Oncology: An Evidence-Based Approach. Lu JJ, Brady LW (Eds), New York: Springer, 2008. Chapter 20.

**Chung HT, Shiao S, Schecter N.** Hodgkin's lymphoma. In: Handbook of Evidence-Based Radiation Oncology, 2nd Edition. Hansen EK, Roach MR (Eds.), New York: Springer, 2009.

Colasanto J, **Tsang RW, Brierley JB.** Cancer of the thyroid, mediastinum, and trachea. In: Handbook of Radiation Oncology: Basic Principles and Clinical Protocols. Haffty BG and Wilson LD (Eds.), Sudbury, Massachusetts: Jones and Bartlett Publishers, 2008.

**Crook J.** Post treatment prognostic factors. In: Campbell's Urology: Radiation therapy for prostate cancer, 10th Ed. Philadelphia: Elsevier Publishing Inc., 2008. Chapter 92.

**Cummings BJ.** Anus. In: Treatment of Cancer, 5<sup>th</sup> Edition. Price P, Sikora K, Illidge T (Eds.), London: Hodder Arnold, 2008. 695-705.

**Cummings BJ, Brierley JB.** Anal canal. In: Principles and Practice of Radiation Oncology, 5<sup>th</sup> Edition. Halperin, EC, Perez C, Brady L (Eds.), Philadelphia: Lippincott, Williams & Wilkins, 2008. 1383-1396.

Dai C, Nash M, **Chung HT.** Esophageal cancer. In: Handbook of Evidence-Based Radiation Oncology, 2nd Edition. Hansen EK, Roach MR (Eds.), New York: Springer, 2009.

**Dawson LA, Cohen E.** The kidney and ureter. In: ALERT – Adverse Late Effects of Cancer Treatment: Volume 2: Specific Normal Tissue Sites. Rubin P, Constine LS, Marks LB, Williams JP, and Hansen JT (Eds), Medical Radiology - Radiation Oncology, 2009.

**Dawson LA, Odeyi A, Guha C.** The liver. In: ALERT – Adverse Late Effects of Cancer Treatment: Volume 2: Specific Normal Tissue Sites. Rubin P, Constine LS, Marks LB, Williams JP, and Hansen JT (Eds), Medical Radiology - Radiation Oncology, 2009.

Elit L, **Barbera L, Schultz SE, Przybysz R, Wilton AS, Urbach DR, Simunovic M.** Surgery for cervical cancer. In: The ICES Atlas on Cancer Surgery in Ontario. Urbach DR, Simunovic M, Schultz SE (Eds.), Toronto: Institute for Clinical Evaluative Sciences, 2008. 167-188.

Elit L, **Barbera L, Schultz SE, Przybysz R, Gunraj N, Wilton AS, Simunovic M, Urbach DR.** Surgery for vulvar cancer. In: The ICES Atlas on Cancer Surgery in Ontario. Urbach DR, Simunovic M, Schultz SE (Eds.), Toronto: Institute for Clinical Evaluative Sciences, 2008. 189-198.

Fairchild A, **Chow E**. Palliative radiation therapy. In: Palliative Medicine. Walsh D (Ed.), Elsevier Science Health Science Div, 2009.

Fuss M, **Dawson LA**. Image guided radiation therapy and stereotactic body radiation therapy. In: Biliary Tract and Gallbladder Cancer: Diagnosis and Therapy. Thomas, Jr. CR and Fuller CD (Eds.), New York : Demos Medical, 2009.

Gillis A, **Chung HT**, Prasad G. Anal cancer. In: Handbook of Evidence-Based Radiation Oncology, 2nd Edition. Hansen EK, Roach MR (Eds.), New York: Springer, 2009.

Goldstein DP, Shrime MG, **Cummings B**, Gullane PJ. Paragangliomas of the head and neck. In: Comprehensive Management of Skull Base Tumours. Hanna E and DeMonte F (Eds.), London: Taylor and Francis, 2009. 539-556.

**Gospodarowicz MK, Tsang R**, Connors JM. Specific management problems posed by the primary extranodal presentations. Part II – local control of localized disease. In: Extranodal Lymphomas, Pathology and Management. Cavalli F, Stein H, Zucca E (Eds), UK: Informa Healthcare, 2008. 58-63.

**Hill RP**, Khan MA, Langan AR, **Yeung IWT**, Van Dyk J. Volume effects in radiation damage to rat lung. In: Late Effects of Cancer Treatment on Normal Tissues. Rubin P, Constine LS, Marks LB, Okunieff P, Berlin: Springer-Verlag, 2008. 32-36.

**Hodgson DC**. Cervical Cancer Screening (With Pap Tests). Ontario rates for 2003-05 In: Cancer Care Ontario's Cancer System Quality Indicator, Toronto: Cancer Care Ontario, 2009.

**Hodgson DC, Gospodarowicz M**. Clinical evaluation and staging of Hodgkin lymphoma. In: Hodgkin lymphoma, 2nd Edition. Hoppe RT, Mauch PT, Armitage JO, Diehl V. Weiss LM (Eds.), Philadelphia: Lippincott Williams & Wilkins, 2008. 123-32.

**Hodgson DC**, Mikhael J, **Tsang RW**. Plasma cell myeloma and plasmacytoma. In: Principles and Practice of Radiation Oncology, 4<sup>th</sup> Edition. Perez CA, Brady L (Eds.), Philadelphia: Lippincott-Raven, 2008.

Janjan N, Mahajan A, Chang E, McCutcheon I, Lin E, Das P, Krishnan S, **Chow E**. Prognosis in spinal cord compression. In: Prognosis in Advanced Cancer. Glare P and Christakis N, Oxford University Press, 2008. 329-344.

Kemeny N, **Dawson LA**, Kemeny M. Liver metastases. In: Abeloff's Clinical Oncology, 4th Edition. Abeloff MD, Armitage JO, Niederhuber JE, Kastan MB, McKenna WG (Eds.). Philadelphia: Churchill Livingstone Elsevier, 2008. Chapter 59.

**Mah K** and Caldwell CB. Biological target volume in PET-CT in radiotherapy treatment planning. Paulino A.C. (Ed.), Philadelphia: Saunders Elsevier Publishing Inc., 2008.

**Ménard C, Catton C.** Radiation therapy for localized prostate cancer. In: Prostate Cancer: A Clinical Guide. Gully, JL, Dahut WL, Moul JW, Sandler HM (Eds), Wolters Kluwer/Lippencot Williams and Wilkins Philadelphia, 2008. Chapter 10.

**Ménard C, Crook J.** The use of image-guidance in prostate brachytherapy. In: Image-Guided Therapy of Prostate Cancer. Valicenti R, Dicker AP, **Jaffray DA** (Eds.), New York: Informa Healthcare, 2008. 67-181.

**Milosevic M, Bristow R, Gospodarowicz M.** Optimal radiotherapy for bladder cancer. In: Textbook of Bladder Cancer. Lerner SP, Schoenberg M, Sternberg C (Eds.), UK: Informa Healthcare, 2008. 151-165.

**Milosevic M, Gospodarowicz M.** The urinary bladder. In: Radiation Oncology: Rationale, technique, results, 9th Edition. Cox JD and Ang KK (Eds.), St. Louis: Mosby, 2009.

Mitera G, **Sahgal A, Loblaw A.** Management of malignant spinal cord compression. In: Bone and Brain Metastases: Advances in research and treatment. Sahgal A, Chow E, Merrick J (Eds.), New York: Nova Science Publishers, 2009.

Nash MB, **Chung HT**, Mishra KK. Colorectal cancer. In: Hansen EK, Roach MR (Eds.). Handbook of Evidence-Based Radiation Oncology, 2nd Edition. New York: Springer, 2009.

**O'Sullivan B, Chung P.** Sarcoma. In: Handbook of Radiation Oncology: Basic principles and clinical protocols. Haffty BG, Wilson LD (Eds.), Boston: Jones and Bartlett, 2008: 629-648.

**Pignol JP**, Keller B. Permanent breast seed implants. In: Accelerated Partial Breast Irradiation. David Wazer, Arthur DW, and Vicini FA (Eds.), New York: Springer-Verlag Berlin Heidelberg, 2009.

Presutti R, Hird A, DeAngelis C, Fairchild A, Holt T, **Loblaw A, Chow E.** Pain flare following palliative radiotherapy of bone metastases. In: Bone and Brain Metastases: Advances in research and treatment. **Sahgal A, Chow E**, Merrick J (Eds.), New York: Nova Science Publishers, 2009.

**Ringash J.** Outcome assessment in head and neck cancer. In: Head and Neck Surgery. de Souza C, Har-El G, d'Cruz A, Chaturvedi P, Stucker F, O'Nathan C-A, Battacharyya AK (Eds.), India: Jaypee Brothers Medical Publishers Ltd, 2009.

Rosen ST, Winter JN, Gordon LI, Evans AM, Nicolaou N, **Tsang RW.** Non-Hodgkin's lymphoma. In: Cancer Management: A Multidisciplinary Approach, 2008-2009, 11th Edition. Pazdur R, Coia LR, Hoskins WJ, Wagman LD (Eds.), Medical, Surgical & Radiation Oncology, CMP Healthcare Media LLC. 2009.

**Sahgal A**, Ma L, **Tsao M**, Larson D. Gamma knife radiosurgery. In: Image Guided Therapy Systems. Vaezy S and Redic V (Eds.), Artech House Publishers, 2009. 161-176.

**Sahgal A**, van der Kogel AJ., **Wong CS**. Spinal cord radiobiology. In: Spine radiosurgery, 1st Edition. Ryu and Gerszten P (Eds), New York: Thieme Medical Publishers Inc., 2009. 9-22.

Seigneuric R, van Riel NAW, Starmans MH, Evelo CT, **Wouters BG**, Lambin P. Systems biology applied to cancer research. In: Handbook of Research on Systems Biology Applications in Medicine. Neidig J (Ed.), Hershey, New York: Medical Information Science Reference, 2009.

**Tsang R**, Connors JM, **Gospodarowicz MK**. Specific management problems posed by the primary extranodal presentations. Part I – staging and response evaluation. In: Extranodal Lymphomas, Pathology and Management. Cavalli F, Stein H, and Zucca E (Eds). UK: Informa Healthcare, 2008. 50-57.

Wan J, **Bezjak A**. Superior vena caval syndrome. In: Emergency Clinics of North America Issue on Cancer Emergencies. Thomas (Ed.), Emergency Medicine Clinics of North America, 27(2): 243-255, 2009.

**Warde PW**, **Gospodarowicz M**. Bone metastases – radiotherapy. In: Renal Cell Cancer: Diagnosis and Therapy. de la Rosette J, Sternberg C, van Poppel H, and Sternberg C (Eds.). London: Springer-Verlag, 2008, 403-407.

**Wong R**. Bisphosphonates for bone pain. In: Cancer Related Bone Pain. Davis A (Ed.), Oxford Pain Management Library, Oxford University Press, 2008.

Wood MFG, Ghosh N, Guo X, **Vitkin IA**. Towards non-invasive glucose monitoring in biomedicine using a polarized light approach. In: Optical Glucose Sensing, Physiology, and Clearing. Tuchin VV (Ed.), Baton Rouge: CRC Press, 2008. Chapter 17.

## Abstracts

Abdulla A, Jalali F, Coackley C, Kraus M, Kumareswaran R, Tse K, Chan N, **Bristow R**. Concepts relating to DNA-dsb and biomarkers in clinical trials: some thoughts. Golden Horseshoe Meeting Radiation Symposium, Rochester, 2008.

Akinfemiwa Y, Chafanskaia A, **Catton P, Nyhof-Young J**. Designing and evaluating a bra-guide for female breast cancer patients. University of Toronto Medical Journal (UTMJ) 86:S337(HC1), 2008.

Al-Mayah A, **Moseley JL**, Velec M, **Brock KK**. Effect of friction and material compressibility on deformable modeling of human lung. 4th International Symposium, International Symposium on Computational Models for Biomedical Simulation (*ISBMS*), London. Proceedings 98-106, 2008.

**Alasti H, Chow J**, Markel D. Free-form deformation algorithm; validation and dosimetric corrections on breathing motion using 4D-CT. The American Association of Physicists in Medicine (AAPM) Annual Meeting, Anaheim, 2009.

**Alasti H, Chow JCL**, Markel D, Lochovsky C, **Payne D**. Evaluation of a 4DCT-based IMRT plan for lung using the free-form image deformation dose tracking method. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Rad Oncol Biol Phys 72(1):S614-S615, 2008.

Alexander A, Jones S, **Crook J**, Malone S, Bowen J, Ludgate C. Biochemical response, not duration of Hormonal Therapy is the critical determinant of benefit in the setting of neo-adjuvant hormone therapy prior to radiotherapy for localized prostate cancer: analysis of the 3 vs 8 month data. American Society of Therapeutic Radiology and Oncology (ASTRO), Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S74, 2008.

Alexander A, Jones S, **Crook J**, Malone S, Bowen J, Ludgate C. Biochemical response, not duration of Hormonal Therapy is the critical determinant of benefit in the setting of neo-adjuvant hormone therapy prior to radiotherapy for localized prostate cancer: analysis of the 3 vs 8 month data. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S20, 2008.

Alibhai SM, Duong-Hua M, Sutradar R, Fleshner NE, **Warde P**, Cheung AM, **Paszat L**. Impact of Androgen Deprivation Therapy (ADT) on bone, cardiovascular, and endocrine outcomes: A propensity-matched analysis of 20,000 patients. J Clin Oncol 26(Suppl),A5012, 2008.

Allaire S, Pekar V, **Breen S, Hope A, Jaffray D**. TH-C-AUD C-02: Automatic extraction of salient interest points in 3D images for contour propagation in IGRT. The American Association of Physicists in Medicine (AAPM) Annual Meeting, Houston. Med Phys 35:2972, 2008.

Allaire S, Pekar V, **Hope AJ, Breen SL, Jaffray DA**. Automatic contour propagation in head & neck IGRT based on 3D salient interest points. American Society of Therapeutic

Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Biol Oncol Phys* 72(Suppl 1):S87, 2008.

Ashley L, Bhimji-Hewitt S, Crowley S, **Di Prospero L**, Faundez L, Machabee N, Maddix K, Mc Pherson KA, Passi N. Learning is in the facilitation: An innovative interprofessional curriculum within a Canadian applied health sciences educational institution. American Society of Radiological Technologists (ASRT) Conference, Boston, 2008.

Ashley L, Bhimji-Hewitt S, Crowley S, **Di Prospero L**, Faundez L, Machabee N, Maddix K, Mc Pherson KA, Passi N. Interprofessional collaboration in healthcare: exploring the labyrinth of teamwork for the medical radiation sciences curriculum. American Society of Radiological Technologists (ASRT) Conference, Boston, 2008.

Bahl G, **Ménard C**, **Millar BA**, Mason W, **Laperriere N**. Radiation therapy for atypical and malignant meningiomas. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S44, 2008.

Bahl G, **Ménard C**, **Millar BA**, Mason W, **Laperriere N**. Atypical and malignant meningiomas long-term results with radiation therapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S218, 2008.

Bahl G, **Ménard C**, **Millar BA**, Mason W, **Laperriere N**. Radiation therapy for atypical and malignant meningiomas. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S44, 2008.

Bahl G, **Millar BA**, **Ménard C**, **Laperriere N**. Management of radiation-induced meningiomas in patients who received radiotherapy in childhood. International Symposium on Pediatric Neuro-Oncology, Chicago. *Neuro-Oncology* 10:498, 2008.

Bailey C, Giles A, Gregory J, **Czarnota G**, Stanisz J. Quantitative T1 and T2 relaxation in apoptotic cells in the presence of Gd-DTPA. International Society for Magnetic Resonance in Medicine Annual Meeting, Toronto. Proceedings, 2008.

Banihashemi B, Cho C, Papanicolau N, Debeljevic B, Giles A, Kolios MC, **Czarnota G**. Monitoring photodynamic therapy and chemotherapy effects in tumours using high-frequency spectroscopic ultrasound. American Institute of Ultrasound in Medicine, San Diego. Conference Proceedings S83, 2008.

Banihashemi B, Zurawel-Balaura L, Garraway C, Wang L, **Bezjak A**, **Laperriere N**, **Ménard C**, **Wong R**. Construction and testing of a symptom checklist for patients with brain metastases. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S16, 2008.

**Barnes EA**, **Chow E**, **Tsao M**, Lam K, **Danjoux C**. Referring physicians' expectations of palliative radiotherapy for brain metastases. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):492, 2008.

**Barnes E**, Breen D, **Balogh J**, **Kamra J**. Hypofractionated radiotherapy offers effective palliation for nonmelanoma skin cancer. Multinational Association of Supportive Care in Cancer Annual Meeting, Houston. Support Care Cancer 16(6):S703, 2008.

**Barnes E**, Brine D, **Balogh J**, **Karma J**. Palliative radiation for nonmelanoma skin cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S51, 2008.

**Barnes EA**, **Chow E**, **Tsao M**, Lam K, **Danjoux C**. Referring physicians expectations of palliative radiotherapy for brain metastases. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S492, 2008.

**Batchelar DL**, D'Souza DP, Baldassarre F, **Morton G**, Falkson C. Delivering brachytherapy for cervical cancer: Organizational and technical advice to facilitate care. Canadian Organization of Medical Physicists (COMP) Annual Scientific Meeting, Victoria, 2009.

Beiki-Ardakani A, **Crook J**, Borg J, **Yeung I**. Effect of loose seeds in relation to prostate edema in I-125 prostate brachytherapy. World Congress of Brachytherapy Annual Scientific Meeting, Boston. Brachytherapy 7(2)PD-46,133, 2008.

**Bissonnette J**, **Hope AJ**, Lundin A, Rehbinder H, **Purdie TG**. A simple, robust IMRT optimization method for lung cancer, accounting for tissue heterogeneity and intra-fraction lung tumor motion. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S86-S87, 2008.

**Bissonnette JP**, **Purdie T**, **Higgins J**, Li W, **Bezjak A**. Image guided radiation therapy for lung cancer. Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. Med Phys 35,3405, 2008.

Biswas D, **Fyles A**, **Manchul L**, McCready D, Trudeau M, Olivotto I, Weir L, Merante P, Pintilie M. Updated results of a randomized trial of tamoxifen with or without radiation in women over 50 years of age with T1/2N0 breast cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S21,65, 2008.

Bolla M, Collette L, Van Tienhoven G, **Warde P**, Dubois JB, Mirimanoff ROM, Storme G, Bernier J, Kутten A, Pierart M. Ten year results of long term adjuvant androgen deprivation with goserelin in patients with locally advanced prostate cancer treated with radiotherapy: A phase III EORTC study. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S30, 2008.

**Bolderston A**, Mitchell F, Cowan B, Mawson C. Radiation therapists' experiences with complementary alternative medicine use by their patients. J Med Rad Sci 39(3):128-134, 2008.



**Bolderston A**, Lewis D, Chai M. Radiation therapists understanding and interpretations of caring. 2008. Radiotherapy in Practice 4 Conference, Sheffield Hallam University, UK J Radiother Pract 7(3):185-6. 2008.

**Brade A**, Bebb G, Smith C, Rorke S, Sherman I. A phase I study of the anti EGFR antibody Nimotuzumab combined with palliative thoracic radiation for patients with advanced non-small cell lung cancer. Canadian Association of Radiation Oncology (CARO) Montreal. Radiother Oncol 88(1):S 2008.

**Brade A**, Bebb G, Smith C, Rorke S, Sherman I. Concurrent and adjuvant nimotuzumab combined with palliative thoracic radiation for patients with stage II/III/IV non-small cell lung cancer: A phase I study. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(1):S116, 2007.

**Brade AM, Bezjak A**, MacRae R, Laurie A, Pond GR, Wang L, Dick C, Afinec A, Iscoe N, Shepherd FA. A phase I study of concurrent pemetrexed (P)/cisplatin (C)/radiation (RT) for unresectable stage IIIA/B non-small cell lung cancer (NSCLC). J Clin Oncol 26(15S):S409, A7550, 2008.

Bradish I, Bryant-Lukosius D, Kwadwo Bosompra D, Bitonti L, Burns J, Chisholm C, Dempsey C, Doiron G, Green E, Hubley P, Johnson C, Luxton S, McQuestion M, Maley O, Shaw Moxam R, Simoes M, Volpe J, **Wiljer D**, Wiernikowski J. Development and evaluation of a provincial e-based mentorship program: Supporting role development in Ontario Advanced Practice Nurses. International Conference on Cancer Nursing (ICCN), Singapore, 2008.

Bradish I, Bryant-Lukosius D, Green E, Hubley P, Johnson C, Luxton S, McQuestion M, **Wiljer D**, Wheeler M, McCartney G, Cooper M, Penton L. Ontario Oncology APN Interprofessional eMentorship: An experience for ALL oncology nurses. Canadian Association of Nurses in Oncology (CANO/ACIO) Conference, St. John's. Conference Proceedings p48, 2008.

**Brierley JD**, Koh E-S, Sobin LH, Denis LJ, Greene FL, Groome PA, **O'Sullivan B**, Wittekind C, **Gospodarowicz MK**. The UICC-TNM Project: Ensuring global relevance through the Global Advisory Group. UICC World Cancer Congress, Geneva, 2008.

**Bristow R**. Radiation therapy – the potential to target DNA repair. European Society of Therapeutic Radiation Oncology (ESTRO) Annual Meeting, Göteborg. Radiother Oncol

**Bristow RG**. Oxygen, DNA repair and genetic instability implications for radiation oncology. Radiother Oncol 90(Suppl 3):S22,59, 2009.

**Bristow R**, Coackley C, Krause M, Albertella M, Slade A, Smith G. Inhibition of ATM and DNA-PK leads to radio-sensitization under hypoxia. Canadian Association of Radiation Oncologists (CARO), Montreal. Radiother Oncol 88(Suppl 1):S35, 2008.

**Bristow R**, Kumareswaran R, Jalali F, Chan N. Sensing of DNA-dsbs Under continual hypoxia. European Society of Therapeutic Radiation Oncology Annual Meeting (ESTRO) Annual Meeting, Göteborg. *Radiother Oncol* 88(2):S21, 2008.

**Bristow RG**, Zhao H, Fraser M. PTEN knockdown, DNA repair and chemotherapy response in prostate cancer cell lines. American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago. Proceedings A199, 2009.

**Brock KK**, Lee M, **Eccles CL**, Velec M, **Moseley JL**, **Dawson LA**, Deformable registration and dose accumulation to investigate marginal liver cancer recurrences. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S538, 2008.

**Brock KK**, Hawkins M, **Eccles C**, **Moseley JL**, **Moseley DJ**, **Jaffray DA**, **Dawson LA**. Improving image-guided target localization through deformable registration. *Acta Oncol* 47(7):1279-85, 2008.

Cai Z, **Pignol JP**, Chan C, Reilly R. Cellular dosimetry of <sup>111</sup>In using Monte Carlo N-Particle (MCNP) computer code: comparison with reported analytical methods and predictive value. SNM Annual Meeting, Toronto, 2009.

Caldwell C, **Mah K**, **Poon I**, **Balogh J**, **MacKenzie R**, Tirona R. Observer variability in radiotherapy targeting of head and neck tumours: Can PET-CT reduce the variability? Society of Nuclear Medicine, New Orleans, 2008.

Case RB, **Eccles CL**, **Moseley D**, **Dinniwell R**, **Kim J**, **Bezjak A**, **Dawson LA**. Cone beam CT image guidance strategies in non-breath hold stereotactic liver radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S147, 2008.

Case RB, **Eccles CL**, **Moseley DJ**, **Dinniwell R**, **Kim J**, **Brock K**, **Bezjak A**, **Milosevic M**, **Dawson LA**. Reduction in liver position residual error following kV cone beam image guidance for patients receiving high-precision stereotactic body radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(S1):S48, 2008.

Chan K, **Craig T**, Kong V, Li W, Ng E, Petroversuska A, Wong M, **Bayley A**, **Chung P**, **Ménard C**. Comparing the clinical performance of conebeam CT (CBCT) during radiotherapy to the prostate gland and prostate bed. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S30, 2008.

Chan N, **Koritzinsky M**, Zhao H, Liu S, Coackley C, Bindra R, Glazer P, Powell S, Belmaaza A, **Wouters B**, **Bristow R**. Functional consequences of hypoxia-induced decreases in homologous recombination. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S3, 2008.

Chan KY, **Craig T**, Kong V, Li W, Ng E, Petrovska A, Wong M, **Bayley A**, **Chung P**, **Ménard C**. Comparing the performance of CBCT during radiotherapy to the prostate gland

and prostate bed. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S314, 2008.

Chan K, **Craig T**, Kong V, Li W, Ng, Petroversuska A, Wong M, **Bayley A**, **Chung P**, **Ménard C**, Comparing the clinical performance of conebeam CT (CBCT) During Radiotherapy to The Prostate Gland and Prostate Bed. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S30, 2008.

Chan P, **Dinniwell R**, Haider MA, **Cho YB**, **Jaffray DA**, Lockwood G, **Levin W**, **Manchul L**, **Fyles A**, **Milosevic M**. Inter- and intrafractional tumor and organ movement in patients with cervical cancer undergoing radiotherapy: a cinematic-MRI point-of-interest study. *Int J Radiat Oncol Bio Phys* 70(5):1507-15, 2008.

Chan Y, **Siewerdsen JH**, Rafferty MA, **Moseley DJ**, **Jaffray DA**, Irish, JC. Cone-beam computed tomography on a mobile C-arm: novel intraoperative imaging technology for guidance of head and neck surgery. *J Otolaryngol Head Neck Surg* 37(1):81-90, 2008.

**Cheung P**, **Loblaw D**, **Morton G**, Zhang L, Basran P, Tirona R, **Szumacher E**, **Danjoux C**, **Thomas G**. Acute toxicity in high risk prostate cancer patients after elective nodal irradiation using IMRT: Comparison to a 4 field technique. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Rad Oncol Biol Phys* 72(1): S291-2 2008.

**Cheung P**, **Loblaw DA**, **Morton G**, Zhang L, Basran P, Tirona R, **Szumacher E**, **Danjoux C**, **Thomas G**. Acute toxicity in high risk prostate cancer patients after elective nodal irradiation using IMRT: a comparison to a 4-field technique. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(S1):S57, 2008.

**Cheung P**, **Morton G**, **Loblaw DA**, Gardner S, Umlaut J, Choo R, **Szumacher E**, **Danjoux C**, **Pignol JP**. Individualized planning target volumes for intrafraction motion during hypofractionated IMRT boost for prostate cancer: long-term results. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Radiother Oncol* 88(S1):S51, 2008.

Chithrani BD, Allen CJ, **Bristow R**, Hill Pr, **Jaffray DA**. Nano-modulated radiation therapy using gold NPs. *Radiother Oncol* 90(Suppl 3):S68, 2009.

Chithrani DB, Jelveh S, **Chow JCL**, Allen CJ, **Hill RP**, **Jaffray DA**. Radiosensitization effects of citrate-stabilized Au nanoparticles. *Int J Rad Oncol Bio Phys* 72:S717-718, 2008.

**Cho BC**, **Bezjak A**, **Brade A**, **Hope A**, **Sun A**. Quantifying the benefits of adaptive radiotherapy on lung sparing for thoracic tumors. American Society for Therapeutic Radiology and Oncology (ASTRO), Boston. *Int J Radiat Oncol Biol Phys* 72(1S):S446-S447, 2008.

**Cho BC**, de Perrot M, **Bezjak A**, **Brade A**, **Kane G**, **Sun A**, **Payne D**. Adjuvant hemithoracic radiotherapy following extrapleural pneumonectomy for malignant pleural

mesothelioma improves local control. 9th International Conference International Mesothelioma Interest Group, Amsterdam, 2008.

**Cho Y, Kelly V**, Lim K, et al. Planning target volume adaptation using convex hull of CTVs for cervix cancer patients. *Med Phys* 35(6):2739, 2008.

**Cho Y**, Prooijen M, **Jaffray D**, **Islam M**. Verification of source and collimator configuration for gamma knife perfexion using panoramic imaging. *Med Phys* 35(6): 2638, 2008.

**Cho Y, Ménard C**, Bernstein M, Hodaie H. Dosimetric comparison between Single iso-center and dual iso-center techniques for gamma knife radiosurgery in trigeminal neuralgia. Presented at 14th International Meeting of the Leksell Gamma Knife Society: 77, Quebec, 2008.

**Cho Y-B**, Xie, J, **Kelly V**, Lim K, Stewart J, **Fyles A**, **Brock K**, Lundin A, Rehbinder H, **Milosevic M**. Region of interest analysis as a tool for exploring adaptive IMRT strategy for cervix cancer patients. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1S):2929, S585-586, 2008.

Choo R, Pearce M, **Danjoux C**, Gardner S, **Morton G**, **Szumacher E**, Barak I, **Loblaw DA**, Cheung P. Phase II study evaluating post-operative radiotherapy plus 2-year androgen suppression for post-radical prostatectomy patients with pT3 and/or positive surgical margins. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S307-S308, 2008.

Choo R, **Danjoux C**, Gardner S, **Morton G**, **Szumacher E**, **Loblaw A**, **Cheung P**, Pearse M. Phase II study evaluating post-operative radiotherapy plus 2-year androgen suppression (AS) for post-radical prostatectomy patients with pT3 and/or positive surgical margins. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S9, 2008.

Choo R, Pearse M, **Danjoux C**, Gardner S, **Morton G**, **Szumacher E**, **Loblaw A**, **Cheung P**. Prospective evaluation of gastrointestinal (GI) and genitourinary (GU) toxicity of salvage radiotherapy (RT) to the prostate bed for patients with PSA relapse after radical prostatectomy (RP). Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S32, 2008.

Chopra S, Haider MA, Chan K, **Kirilova A**, **Crook J**, **Milosevic M**, **Bristow R**, **Bayley A**, **Chung P**, **Morton G**, Toi A, **Ménard C**. MRI-guided needle biopsy in suspected local recurrence after radiotherapy for prostate cancer. *Radiother Oncol* 90(Suppl 3):S99, 226, 2009.

**Chow E**, James J, Barsevick A, Hartsell W, Scarantino C, Ivker R, Roach M, Suh J, Petersen I, Bruner D. Functional interference clusters in cancer patients with bone metastases: An analysis of RTOG 9714. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):141, 2008.

**Chow JCL**, Jiang R, Grigorov G. Dosimetry study on the penumbra region for the irregular MLC fields with stepping patterns. Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. Med Phys 35:3405, 2008.

**Chow JCL**, Grigorov G. Monte Carlo simulation on the percentage depth dose ratio for the surface dosimetry using tangential photon beams. Med Phys 35:2807, 2008.

**Chow JCL**, Leung M, Van Dyk J. Effect of lung density and geometry variation on inhomogeneity correction algorithms: A Monte Carlo dosimetry evaluation. Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. Med Phys 35:3405, 2008.

**Chow JC**, Leung MK, **Islam MK**, Norrlinger BD, **Jaffray, DA**. Evaluation of the effect of patient dose from cone beam computed tomography on prostate IMRT using Monte Carlo simulation. Med Phys 35(1):52-60, 2008.

**Chow JCL**, Markel D, Jiang R. Dose-volume histogram modeling using the Gaussian error Function in radiotherapy. Med Phys 35:2824, 2008.

**Chow JCL**, Owringi A. Depth dependence of electron backscatter for electron radiotherapy: A Monte Carlo study. Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. Med Phys. 35:3406, 2008.

Clarke GM, Mainprize JG, Peressotti C, Sun L, Wang D, Zubovits J, Holloway C, **Czarnota G**, Yaffe MJ. Validation of cone-beam CT measurements of tumour burden using three-dimensional histopathology: Initial results for a Lumpectomy, International Workshop on Digital Mammography, Tucson. Conference Proceedings 2008.

**Craig T**, Satkusagingham J, Chan K, **Brock K**, **Moseley J**, **Chung P**, **Bayley A**, **Crook J**, **Jaffray D**, **Ménard C**. Advanced image guidance allows margin reduction in radiation therapy of prostate cancer American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radit Oncol Bio Phys 72(1):S551, 2008.

**Crook J**, Fleshner N, Jewett M, Ma C, Jezioranski J, Esche B, Grimard L. Squamous cell carcinoma of the penis: results of brachytherapy as primary management for 74 patients over 18-year period. GU Cancers Symposium, Orlando. Proceedings p192, 2009.

**Crook J**, Ludgate L, Malone S, Perry G, Eapen L, Bowen J, Robertson S, Lockwood G. Final report of a multicenter Canadian Phase III randomized trial of 3 vs 8 months neoadjuvant androgen deprivation prior to conventional dose radiotherapy for clinically localized prostate cancer. American Society for Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 73(2):327-33, 2009.

**Crook J**, Ma C, Esche B, Grimard L, Jerioranski J. Brachytherapy for squamous carcinoma of the penis: a penile conserving option. SIU World Uro-oncology Update, Santiago. Urology 72:S36, 2008.

**Crook J**, Patil N, Zhou D, Eng B, Wallace K. A phase III randomized trial of meloxicam started either 1 week prior to or concurrent with iodine-125 prostate brachytherapy to reduce post implant edema, catheterization rates and the severity of lower urinary tract symptoms. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S7, 2008.

**Crook J, Yeung I**, Borg J, **McLean M**, Lockwood G. Iodine 125 prostate brachytherapy 9-year experience with over 1000 patients. SIU World Uro-oncology Update, Santiago. *Urology* 72:S40, 2008.

**Czarnota G**, Papanicolau N, Lee J, Banihashemi B, Debeljevic B, Ranieri S, Azrif M, Karshafian R, Giles A, Sadeghian A, Kolios MC. Novel low-frequency ultrasound detection of apoptosis in vitro and in vivo. Ultrasonic Imaging and Tissue Characterization Symposium, Arlington. Conference Proceedings p237, 2008.

**Czarnota G**, Lee J, Karshafian R, Banihashemi B, Chu W, Cho C, Kolios MC. High-frequency detection of cell death: Assessment of chemotherapy, radiotherapy, photodynamic therapy and novel microbubble-therapy effects. Ultrasonic Imaging and Tissue Characterization Symposium, Arlington. Conference Proceedings p261, 2008.

**Czarnota G**, Karshafian R, Giles A, Banihashemi B, Lee J, Burns PN. Microbubble and ultrasound enhancement of radiation-induced tumour cell death in vivo. American Institute of Ultrasound in Medicine, San Diego. Conference Proceedings S84, 2008.

**Czarnota G**, Karshafian R, Giles A, Banihashemi B, Lee J, Burns PN. Microbubble and ultrasound enhancement of radiation-induced tumour cell death in vivo. American Association of Cancer Research Annual Meeting, San Diego. Proceedings 2008.

**Czarnota G**, Karshafian R, Lee J, Banihashemi B, Giles A, Burns P. Microbubble and ultrasound enhancement of radiation-induced tumour cell death in vivo. Era of Hope, Department of Defense, Breast Cancer Research Program Meeting, Baltimore. Proceedings 19-3,132, 2008.

Dahele M, Freeman M, Pearson S, **Purdie T**, **Sun A**, **Brade A**, **Cho J**, **Hope A**, **Bissonnette JP**, **Bezjak A**. Investigating the early metabolic response of non-small cell lung cancer (NSCLC) to Stereotactic Body Radiation Therapy (SBRT). American Society for Therapeutic Radiology and Oncology (ASTRO), Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S438-S439, 2008.

Dahele M, Freeman M, Pearson S, **Purdie T**, **Sun A**, **Brade A**, **Cho J**, **Hope A**, **Bissonnette J**, **Bezjak A**. Investigating the early metabolic Response of Non-small Cell Lung Cancer (NSCLC) to Stereotactic Body Radiation Therapy (SBRT). American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S438-S439, 2008.

Dahele M, Pearson S, Franks K, **Purdie T, Bissonnette J-P, Brade A, Cho J, Sun A, Jaffray DA, Bezjak A**. Stereotactic body radiation therapy (SBRT) for early-stage non-small cell lung cancer (NSCLC). American Society of Clinical Oncology, Chicago. J Clin Oncol 26(15S):404s, A7529, 2008.

Dahele M, Pearson S, Franks K, **Purdie T, Bissonnette J-P, Brade A, Cho J, Sun A, Jaffray DA, Bezjak A**. Stereotactic body radiation therapy (SBRT) for early-stage non-small cell lung cancer (NSCLC). International Lung Cancer Conference, Liverpool, 2008.

Dahele M, Khalifa M, **Ung YC**, Cheung S. A real-time data base to facilitate decision-making and enhance the multidisciplinary cancer conference. J Med Imag Radiat Serv 39(3):169, 2008.

Dahele M, Pearson S, **Purdie T, Sun A, Brade A, Cho J, Hope A**, Franks K, **Bissonnette JP, Bezjak A**. Stereotactic body radiation therapy (SBRT) for early-stage non-small cell lung cancer (NSCLC): Patient characteristics and acute toxicity. European Society for Therapeutic Radiology and Oncology (ESTRO) Annual Meeting, Göteborg. Radiother Oncol 88(2):S290, 2008.

Dahele M, Pearson S, Franks K, **Purdie T, Bissonnette J, Brade AM, Cho J, Sun A, Jaffray D, Bezjak A**. Stereotactic body radiation therapy (SBRT) for early-stage non-small cell lung cancer (NSCLC). American Society of Clinical Oncology (ASCO) Annual Meeting, Chicago. J Clin Oncol 26(15):S404, 2008.

Dahele M, Schultz B, Skinner M, Cardoso M, Bell C, **Ung YC**. The geometric challenge of adjuvant radiotherapy for gastric cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S28-29, 2008.

Damyantovitch A, **Kirilova A, Crook J**. Magnetic resonance spectroscopy-observed metabolic activity in prostate during PSA bounce following iodine-125 brachytherapy. World Congress of Brachytherapy Annual Scientific Meeting, Boston. Brachytherapy, 7(2):PL-1,91, 2008.

**Dawson LA**, Case R, **Kim J, Dinniwell R, Moseley D**. Intra and inter-fraction baseline shifts in non-breath hold liver cancer SBRT. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(1):S110-S111, 2008.

Deyell M, Bedi H, Presutti R, Hird A, Campos S, Zhang L, Mitera G, **Sinclair E, Barnes E, Tsao M, Sahgal A, Danjoux C**, DeAngelis C, **Chow E**. Gender difference in the ESAS score in patients with advanced cancer. 19th Annual Ontario Provincial Conference on Palliative and End-of-Life Care, Toronto, 2009.

Dickie-Euler CI, Parent A, Griffin A, **Chung P, Catton C, Craig T, Sharpe M, O'Sullivan B**. Measuring interfraction and intrafraction motion with cone beam computed tomography (CBCT) and an optical localization system (OLS) for lower extremity soft tissue sarcoma patients treated with preoperative Intensity Modulated Radiation Therapy (IMRT) (poster

presentation) American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S105, 2008.

Dickie-Euler C, Parent A, Griffin A, **Kirilova A**, **Chung PW**, **Sharpe M**, Wunder J, Ferguson P, **Catton C**, **O'Sullivan B**. Magnetic resonance simulation (SMR) for lower extremity soft tissue sarcoma (LE-STS) patients treated with pre-operative intensity modulated radiation therapy (IMRT). Connective Tissue Oncology Society (CTOS), London, 2008.

**Dinniwell R**, Chan P, **Kim J**, **Milosevic M**, Haider M. Inguinal nodal clinical target volume delineation: Validation of a class solution for precision radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S28, 2008.

**Dinniwell R**, Chan P, **Kim J**, **Milosevic MF**, Haider MA. Validation of a vascular surrogate class solution for inguinal nodal clinical target volume delineation in precision radiotherapy treatment planning. Radiological Society of North America (RSNA) Scientific Assembly and Annual Meeting, Chicago. Conference Proceedings, 2008.

Doll C, **Fyles A**, Aquino-Parsons C, Craighead P, **Milosevic M**, **Bristow R**, **Hill R**, Lees-Miller S, Olive P, Hayes M, Eliasziw M, Pintilie M, Magliocco A. The impact of hypoxia on radiotherapy (RT) and chem radiotherapy (CRT) response in locally advanced cervical cancer: A definitive CARO translational research group multicentre study. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S36, 2008.

Draanen J, Hird A, DeAngelis C, **Loblaw A**, **Wong R**, Wu J, **Chow E**. Pain flare following radiotherapy for painful bone metastases: A joint effort of three cancer centres to determine the incidence. International Meeting on Cancer Induced Bone Disease, Edinburgh. *Cancer Treat Rev* 34(Suppl):82-83, 2008.

D'Souza D, Baldassarre FG, **Morton G**, Falkson C, **Batchelar D**, Guttierrez E, Bak K. Imaging technologies for cervical cancer brachytherapy: American Brachytherapy Society, Toronto, 2009. A systematic review. *Brachytherapy* 8:143, 2009.

Dunscombe P, Pawlicki T, **Bissonnette J-P**, Halvorsen P, Knoos T, Zelac R. Quality in radiation therapy: What is it and how do you achieve it? *Med Phys* 35,2931-2932, 2008.

**Eccles CL**, Patel R, Lockwood G, **Purdie T**, **Kirilova A**, Haider M, **Dawson LA**. Comparison of liver tumour motion with and without abdominal compression using cine-MRI. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S50, 2008.

Elit L, Prysbyz R, Schultz S, **Barbera L**, Kwon J, Saskin R, Gunraj N, Watson D, Simunovic M, Urbach D. Patterns of surgical care for vulvar cancer in Ontario. The Society for Gynecologic Oncologists of Canada, 2008.



Elit L, Refik S, **Barbera L**, Krzyzanowska M. Gender, socioeconomic and geographic disparities in cancer screening in Ontario (POWER) study, # 173 Canadian Society for Epidemiology and Biostatistics (CSEB) Association of Public Health Epidemiologists in Ontario (APHEO), Ottawa, 2009.

Fahrig R, Ganguly A, Lillaney P, Bracken J, **Rowlands JA**, Wen Z, Yu H, Rieke V, Santos JM, Pauly KB, Sze DY, Frisoli JK, Daniel BL, and Pelc NJ. Design, performance, and applications of a hybrid X-Ray/MR system for interventional guidance. IEEE International Nanotechnology Conference, Arlington. Proceedings 96(3):468-480, 2008.

Fairchild A, **Barnes T**, Ghosh S, Ben-Josef E, Roos D, Hartsell W, Holt T, Wu J, Janjan N, **Chow E**. International patterns of practice in palliative radiotherapy for painful bone metastases: Evidence-based practice? American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1): 491, 2008.

Farhat G, Mariampillai A, Yang VXD, **Czarnota G**, Kolios MC. High-frequency ultrasound and optical coherence tomographic imaging of necrotic cell death. American Institute of Ultrasound in Medicine, San Diego. Proceedings S84, 2008.

Fitzpatrick D, Ramparsaud R, Wang L, **Bezjak A**, Zurawel-Balaura L, Cheung A, Fehlings M, **Wong R**. Malignant spinal cord compression: Identifying patients suitable for surgery. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S16, 2008.

Fitzpatrick DA, **Wong RKS**, Létourneau D, Vloet A, **Craig T**, **Bezjak A**, **Levin W**, **McLean M**, **Jaffray DA**, **Gospodarowicz M**. Online palliative radiotherapy planning and treatment using cone-beam computerized tomography (CBCT). American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S142-S143, 2008.

Follwell M, Vasquez L, Yucel Y, Somani S, **Heydarian M**, Ma L, Sanghera P, **Michaels H**, **Payne D**, **Millar BA**, Altomare F, Simpson ER, McGowan H, **Laperriere N**, **Sahgal A**. Neovascular glaucoma following stereotactic radiotherapy for choroidal melanoma: a dosimetric analysis. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S53, 2008.

Foltz K, Haider M, **Kirilova A**, Chan K, **Chung P**, **Catton C**, **Warde P**, **Jaffray D**, **Ménard C**. Multiparametric MRI response during radiotherapy for prostate cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S10, 31, 2008.

Foltz WD, Haider M, **Kirilova A**, Chan K, **Chung P**, **Catton C**, **Warde P**, **Jaffray D**, **Ménard C**. Multiparametric MRI response during radiotherapy for prostate cancer. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiat Oncol Biol Phys 72(Suppl 1):S319-S320, 2008.

Foltz W, Haider M, **Kirilova A**, Chan K, **Chung P**, **Catton C**, **Warde P**, **Jaffray D**,

**Ménard C.** Multiparametric MRI response during radiotherapy for prostate cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S10, 2008.

Furstoss C, Bertrand MJ, Poon E, Reniers B, Carrier JF, **Pignol JP**, Williamson J, Beaulieu L, Verhaegen F. Dosimetric differences between TG-43 and Monte Carlo simulation for breast LDR brachytherapy. European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg. *Radiother Oncol* 88(Suppl 2):S407, 2008.

**Fyles A**, Pintile M, Hedley D, **Bristow R**, **Wouters B**, **Hill R**, **Milosevic M**. High interstitial fluid pressure (IFP) and hypoxia as biomarkers of cisplatin chemo-radiation response in advanced cervix cancer. American Society of Clinical Oncology (ASCO), Orlando, 2009.

Gaspar LE, Redman MW, Chansky K, Kelly K, Albain KS, **Ung YC**, Jet JR, Gandara DR. Analysis of V20 and radiation pneumonitis on SWOG 0023: A phase III trial of concurrent chemoradiation and docetaxel consolidation followed by gefitinib or placebo in stage III non-small cell lung cancer. *J Thorac Oncol* 3(11) Suppl 4:S264, 5, 2008.

Gien L, **Barbera L**, Kupets R, Utilization of preoperative imaging among uterine cancer patients. International Gynecologic Cancer Society (IGCS), # 106-0008-01618, 2008.

Gillan C, **Wiljer D**, Briggs K, **Catton P**, **Gospodarowicz M**, **Jaffray D**, **Harnett N**. Does an interprofessional education (IPE) format reduce the stress of interprofessional practice in times of rapid technological advance? 6th Annual Radiation Medicine Conference Toronto, 2009.

Gillan C, **Wiljer D**, Briggs K, **Catton P**, **Gospodarowicz M**, **Jaffray D**, **Harnett N**. Learning about image-guided radiation therapy (IGRT): Does an interprofessional educational (IPE) format lead to enhanced interprofessional practice? IPE Ontario 2009 Conference, Toronto, 2009.

Goda J, **Bristow R**. Use of gammaH2AX and lymphocytes to predict prostate radiosensitivity. Golden Horseshoe Meeting Radiation Symposium, Rochester, 2008.

Goda JS, **Chung PW**, **Catton CN**, Griffin A, Ferguson PC, Wunder J, Bell R, Kandel RA, Blackstein M, Hogg D, **O'Sullivan B**. High risk extracranial chondrosarcomas long term results of surgery and radiotherapy. Connective Tissue Oncology Society (CTOS) London, 2008.

Goda JS, **Gospodarowicz M**, Pintilie M, **Wells W**, **Hodgson DC**, **Sun A**, **Laperriere NJ**, Patterson B, Crump M, **Tsang RW**. Extranodal marginal zone lymphoma of MALT type: Radiotherapy is potentially curative for localized disease. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Rad Onc Biol Phys* 72(Suppl 1):S124, 2008.

Grigorov G, **Chow JCL**, Yazdani N, Barnett R. Sliding window IMRT: Uncertainties of the leading edge and plateau of the beam profile. Canadian Organization of Medical Physicists

and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. *Med Phys* 35:3399, 2008.

Groome PA, **Gospodarowicz MK**, Sobin LH, Greene FL, Keller S. The continuous review process of the TNM classification. UICC World Cancer Congress, Geneva, 2008.

Harding S, **Bristow R**. 53BP1 as a biosensor of DNA damage. Golden Horseshoe Meeting Radiation Symposium, Rochester, 2008.

**Harnett N, Wiljer D, Catton P, Jaffray D, Gospodarowicz M**. What comes first: interprofessional practice or interprofessional education? The 13<sup>th</sup> Ottawa International Conference on Clinical Competence, Melbourne, 2008.

**Heaton R**, Smale J, Norrlinger B, Wang Y, van Prooijen M, **Islam M**. Clinical implementation and experience with EPID-based precision isocentre localization. Canadian Organization of Medical Physicists (COMP) Annual Scientific Meeting, Quebec. 2008.

**Heydarian M**, van Prooijen M, **Islam M**, Tsui G, **Laperriere N**. Evidence-based treatment margin for intracranial stereotactic radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72:S591, 2008.

Hassani B, Higgins J, **Nyhof-Young J**, Bohnen J. Cancellation of elective surgical procedures: A barrier assessment of the influence of social environment on the patients' experience. *University of Toronto Medical Journal (UTMJ)* 86:S39(HC9), 2008.

**Heydarian M**, Asnaashari K, Allahverdi M, **Jaffray DA**. Dosimetric evaluation of a dedicated stereotactic linear accelerator using measurement and Monte Carlo simulation. *Med Phys* 35(9):3943-3954, 2008.

**Higgins JA, Bezjak A**, Li W, Panzarella T, **Bissonnette JP**. Is daily cone-beam CT image guidance required to correct setup error in conventionally fractionated lung radiotherapy? American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S441-S442, 2008.

**Higgins J, Bissonnette J-P**, Li W, Panzarella T, **Bezjak A**. Frequency of setup errors based on daily cone-beam CT imaging for lung patients undergoing conventionally-fractionated radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S48, 2008.

Hird A, Hadi S, **Tsao M, Barnes E, Danjoux C, Sinclair E, Chow E**. Symptom cluster in patients with brain metastases treated with whole brain radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S18, 2008.

Hird AE, Hadi S, **Tsao M, Barnes E, Danjoux C, Sinclair E, Chow E**. Symptom clusters in patients with brain metastases treated with whole brain radiotherapy. American Society for

Therapeutic Radiology and Oncology (ASTRO), Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):500, 2008.

Hird A, **Chow E**. Development of the European organization for research and treatment of cancer bone metastases module (BMM) (EORTC QLQ-BM22). International Meeting on Cancer Induced Bone Disease, Edinburgh. *Cancer Treat Rev* 34(Suppl 1):S54-55, 2008

Hird A, **Chow E**. Determining relevant quality of life issues for bone metastases patients: Differences in perspectives. International Meeting on Cancer Induced Bone Disease, Edinburgh. *Cancer Treat Rev* 34(Suppl 1):S81, 2008.

Hird AE, Hadi S, **Tsao M, Barnes E, Danjoux C, Sinclair E, Chow E**. Symptom clusters in patients with brain metastases treated with whole brain radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):500, 2008.

**Hodgson D**, Pintilie M, Yun L, Ahmed S, Sussman J, Yu E, Crump M, Meyer R, **Tsang R**. Cardiovascular morbidity following modern treatment for Hodgkin lymphoma: Age- and sex- specific estimates of risk in the doxorubicin era. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S122-S123, 2008

Hoebbers F, Maxymiw W, **Lindsay P, Sharpe M, Breen SL, Dawson L, Waldron J, O'Sullivan B**, Wood R, **Hope A**. Modeling salivary outcomes following head and neck irradiation using the modified Schirmer test. PREVENT: Prediction, Recognition, Evaluation and Eradication of Normal Tissue effects. Brussels, Belgium. *Radiother Oncol* 90(Suppl 1):S23, 2009.

Huang E, **Hope A, Lindsay P**, Bradley J, Deasy J. SU-GG-T-404: The impact of breathing-motion and tumor regression on dose-volume metrics used for outcome analyses. *Med Phys* 35(10):2817, 2008.

**Huang S, O'Sullivan B, Waldron J, Bayley A, Kim J, Cummings B, Dawson LA, Hope A, Cho J**, Lockwood G, **Ringash J**. Patterns of care in elderly head and neck cancer patients: the recent PMH experience. International Conference on Innovative Approaches in Head and Neck Oncology, Barcelona. *Radiother Oncol* 90(Suppl 2):S16, 2009.

Hupple C, Giles A, **Wong S**, Burns PN, Foster FS, **Czarnota G**. Radiation effects on tumour microcirculation assessed by high-frequency power doppler micro-ultrasound imaging in mice. American Association of Cancer Research (AACR) Annual Meeting, San Diego. Conference Proceedings, 2008.

**Islam M**, An on-line field modification strategy for image guided intensity modulated radiation therapy. International Conference on Novel Techniques in Clinical Oncology and Radiation Physics, Vellore. Conference Proceedings, 2008.

Izaguirre E, Diao X, Mutic S, Stojadinovic S, **Hope A**, Grigsby P, Low D. MO-E-AUD C-07: Modeling small animal micro irradiator orthovoltage sources. *Med Phys* 35(10):2877, 2008.

Jacobson MC, **Balogh J**. Post-radiotherapy neuromyotonia, bilateral hypoglossal palsies, and dysarthria in nasopharynx carcinoma. American Head and Neck Society (AHNS), San Francisco, 2008.

Jang RW, Le Maitre A, Ding K, Winton TL, **Bezjak A**, Seymour L, Shepherd FA, Leighl NB. A Q-TwiST analysis of adjuvant chemotherapy in non-small cell lung cancer (NSCLC) in the NCIC CTG JBR.10 trial. *J Clin Oncol* 26(15S):S345, A6535, 2008.

Jansson H, Reh binder H, **Keller H**, Moseley D. Evaluation of bayesian methods for estimation of organ motion and patient setup variation. *Med Phys* 35(6):2698, 2008.

Jiang R, Barnett R, **Chow JCL**. Modeling the effect of organ motion on cumulative rectal dose using EUD. Canadian Organization of Medical Physicists (COMP) Annual Scientific Meeting, Quebec City. *Med Phys* 35:3403, 2008.

Jiang R, Barnett R, **Chow JCL**. IMRT prostate: Cumulative rectal dose incorporating rectal motion. *Med Phys* 35:2821, 2008.

Jonklass J, Litofsky D, Munsell M, Nogueras-Gonzales, Ain KB, Bigos T, **Brierley JD**, Cooper DS, Haugen BR, Ladenson PW, Magner JA, Robbins J, Ross D, Skarulis M, Stewart DL, Maxon HR, Sherman SI. Effect of gender on differentiated thyroid cancer survival in the National Thyroid Cancer Treatment Cooperative study group registry. American Thyroid Association and Registry (ATA) Annual Meeting, Chicago. *Thyroid* 18(1):S21, 2008.

Kamran A, **Morton G**, **Loblaw DA**, Sankrecha R, Su D, Gardner S, Deabreu A. Acute toxicity of single fraction HDR brachytherapy with hypofractionated external beam radiotherapy in intermediate risk prostate cancer. *Brachytherapy* 7:122, 2008.

Kassam Z, MacKay H, Buckley C, **Brierley J**, **Kim J**, Siu L, Swallow C, Fung S, Oza A, **Ringash J**. Quality of life during adjuvant chemoradiation for gastric adenocarcinoma. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S256, 2008.

**Kassam Z**, **Mackay H**, **Buckley C**, Brierley J, Kim J, Siu L, Swallow C, Fung S, Oza A, Ringash J. Adjuvant chemoradiation for gastric adenocarcinoma with infusional 5-fluorouracil and cisplatin: Update of a phase I study. The American Society of Clinical Oncology (**ASCO**) **Gastrointestinal** Cancers Symposium, Orlando. Proceedings, A78, 2008.

Kassam Z, Mackay H, Buckley C, **Brierley J**, **Kim J**, Siu LL, Swallow C, Fung S, Oza AM, **Ringash J**. Final results of a phase I study of adjuvant chemoradiation for gastric adenocarcinoma with infusional 5-fluorouracil and bi-weekly cisplatin. *J Clin Oncol* 26(15S, part I):669s, 2008.

Kassam Z, MacKay H, Buckley C, Fung S, Pintile M, Siu L, **Wong R**, **Kim J**, Oza A, **Cummings BJ**, **Brierley J**, Knox JJ, Feld R, **Ringash J**. Do dose and experience of toxicity affect quality of life (QOL) during adjuvant chemoradiation for gastric adenocarcinoma?

International Society for Quality of Life (ISOQOL) Research Meeting, Montevideo. QLR Journal A94:1201, 2008.

Kassam Z, MacKay H, Oza A, **Brierley J**, Swallow C, Fung S, Pintile M, **Cummings B**, Chen E, **Dawson L**, Knox JJ, **Dinniwell R**, Krzyzanowska M, **Kim J**, Moore M, **Wong R**, Siu L, **Ringash J**. A prospective evaluation of quality of life in patients with gastric adenocarcinoma in a phase I study of adjuvant chemoradiation. *Radiother Oncol* 88(Suppl 1):S29, 2008.

**Keller H**, Hoisak J. Association of texture features to structure and function in a simple tumor model and potential application to treatment response monitoring using FDG-PET. *Med Phys* 35(6):2938, 2008.

**Keller H**, **Tsang R**, Goda J, **Vines D**, **Breen SL**, Lockwood G. Quantification of early, intermediate and late volumetric and metabolic response during fractionated radiation therapy for non-Hodgkin's lymphoma. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Biol Oncol Phys* 72(Suppl 1):S146, 2008.

Klotz L, **Danjoux C**, Nam R, **Loblaw A**. Active surveillance for favorable risk prostate cancer: Long term up in 453 patients. Genitourinary Cancers Symposium, Orlando, 2009.

Koh WY, Ren W, Mukherjee RK, **Chung HT**. Internal audit of a comprehensive IMRT program for prostate cancer: a model for centers in developing countries? The Royal Australian and New Zealand College of Radiologists (RANZCR) Annual Scientific Meeting, Adelaide, 2008.

Kolios MC, **Czarnota G**. High frequency ultrasound scattering from mixtures of two different cells lines: tissue characterization insight. Sendai Symposium on Advanced Biomedical Ultrasound, Sendai. Proceedings, 2008.

Kolios MC, **Czarnota G**. New insights into high frequency ultrasonic tissue scattering. International Symposium on Medical, Bio- and Nano-Electronics, Sendai. Proceedings, 2008.

Kong V, **Craig T**, **Bayley A**, **Bristow R**, **Catton C**, **Chung P**, **Gospodarowicz M**, **Milosevic M**, **Warde P**, **Ménard C**. Dosimetry and acute toxicity in IG-IMRT using a consensus prostate bed CTV following prostatectomy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S31, 2008.

Kong V, **Craig T**, **Bayley A**, **Bristow R**, **Catton C**, **Chung P**, **Gospodarowicz M**, **Milosevic M**, **Warde P**, **Ménard C**. Dosimetry and acute toxicity in IG-IMRT using a consensus prostate bed CTB following prostatectomy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S345, 2008.

Kong V, Lockwood G, **Catton C**, Mendoza M, Pellizzari A, Wong M, Yan J, **Rosewall T**. Quantification of inter-observer variability when using electronic portal image-guidance and

intra-prostatic fiducial markers during prostate radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88 (Suppl 1):S32, 2008.

Kong V, **Rosewall T, Catton C, Chung P, Ménard C, Warde P, Vespirini D, Bayley A.** Optimal Technique for dose-escalated radiotherapy to the prostate gland in patients with bilateral hip prostheses. *Journal of the European Society for Therapeutic Radiology and Oncology (ESTRO)*, Göteborg. *Radiother Oncol* 88(2):S449, 1412, 2008.

Krzyzanowska MK, **Barbera L**, Elit L, **Hodgson D**, Razzaq A, Saskin R, Urbach D, Bierman A, Sex, income and age-related differences in colorectal cancer care: results from the Project for an Ontario Women's Health Evidence-based Report Card (POWER) study. *J Clin Oncol* 26(155)6509, 2008.

Laba J, Durkee L, **Catton P, Nyhof-Young J.** Investigating the use of educational resources for the management of persistent cancer related fatigue in breast cancer survivors at Princess Margaret Hospital. *University of Toronto Medical Journal (UTMJ)*86:S40(HC13), 2008.

**Laperriere N**, Bahl G, **Ménard C, Millar B**, Mason W, Hodaie M, Schwartz M, Bernstein M. Reirradiation for recurrent meningiomas. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S220, 2008.

**Laperriere N, Sahgal A, Heydarian M**, McGowan H, **Payne D**, Xu W, **Michaels H**, Simpson ER, Somani S. Fractionated stereotactic treatment of choroidal melanoma. *Cnd J Neuro* 35(3):388, 2008.

Lau MWY, **Wong RKS, Bezjak A, Dinniwell R**, Wenz J, **Harnett N.** Clinical impact of clinical specialist radiation therapist (CSRT) for patients requiring palliative radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S45-S46, 2008.

Leavens C, Pekar V, Vik T, Schulz H, Allaire S, **Dawson L, O'Sullivan B, Breen S, Kim J, Jaffray D.** Optimization of landmark detection for auto-contouring in radiation treatment planning for head and neck cancer. American Association of Physicists in Medicine (AAPM) Annual Meeting, Houston. *Med Phys* 35:2991, 2008.

Leavens C, Vik T, Schulz H, Allaire S, **Kim J, Dawson L, O'Sullivan B, Breen SL, Jaffray D**, Pekar V. Validation of automatic landmark identification for atlas-based segmentation for radiation treatment planning of the head-and-neck region. Conference 6913 Physics of Medical Imaging, San Diego. Proceedings p63, 2008.

Leavens C, Pekar V, Vik T, Schulz H, Allaire S, **Dawson L, O'Sullivan B, Breen S, Kim J, Jaffray D.** Optimization of landmark detection for auto-contouring in radiation treatment planning for head and neck cancer American Association of Physicists in Medicine (AAPM) Annual Meeting, Houston. *Med Phys* 35:2991, 2008

Lee G, Clemons M, Fitzgerald B, **Levin W, Manchul L, Sharpe M, Dinniwell R.** Optimization of target volume delineation in women with locally advanced breast cancer receiving neoadjuvant radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S58, 2008.

Lee J, Banihashemi B, Papanicolau N, Debeljevic B, Ranieri S, Azrif M, Karshafian R, Giles A, Kolios MC, Sadeghian A, **Czarnota G.** Novel low-frequency ultrasound detection of apoptosis in vitro and in vivo. American Association of Cancer Research Annual Meeting, San Diego. Proceedings, 2008.

Lee M, **Kim J, Dinniwell R, Brierley J, Lockwood G, Wong R, Cummings B, Ringash J, Tse R, Knox J, Dawson LA.** Phase I study of individualized stereotactic body radiotherapy of liver metastases. The American Society of Clinical Oncology (ASCO) Gastrointestinal Cancers Symposium, Orlando. *J Clin Oncol* 27(10):1585-91, 2009.

Lee M, **Purdie T, Craig T, Eccles C, Lindsay P, Sharpe M, Dawson LA.** Dosimetric impact from reduction of beam segments on intensity modulated radiation therapy (IMRT) of Liver Cancer. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S541, 2008.

Lee M, **Purdie T, Eccles C, Craig T, Sharpe M, Dawson LA.** Minimizing beam segments to reduce complexity in breath-hold liver cancer IMRT. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S29, 2008.

Lee MT, **Purdie T, Eccles C, Craig T, Lindsay P, Sharpe MB, Dawson LA.** Dosimetric impact of minimizing beam segments in breath hold liver cancer IMRT. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S541, 2008.

Lee J, **Ung YC,** Behzadi A. Outcomes for cervical medistinoscopy in a community teaching hospital. *Curr Oncol* 15(3):4, 2008.

**Létourneau D,** Kaus M, **Wong R,** Vloet A, Fitzpatrick DA, **Gospodarowicz M, Jaffray DA.** Semiautomatic vertebrae visualization, detection, and identification for online palliative radiotherapy of bone metastases of the spine. *Med Phys* 35(1):367, 2008.

**Létourneau D, Keller H,** Vloet A, **Wong R, Rosewall T, Jaffray DA.** A statistical framework for the assessment of surrogates for patient setup corrections in radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S579, 2008.

Leung E, Lunt SJ, **Hill RP, Milosevic M.** Effect of radiotherapy on tumour interstitial architecture and fluid dynamics. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S38, 2008.

Leung S, Mosseri A, **Purdie T, Brade A, Sun A, Bezjak A, Cho J.** Dosimetric evaluation of IMRT technique for hemithoracic radiation therapy after extrapleural pneumonectomy for



malignant pleural mesothelioma. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1): S59, 2008.

**Levin W**, Fitzpatrick D, **Wong R**, **Bezjak A**. Palliative radiotherapy – how to cope with multiple previous treatment volumes in the electronic age. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S47-S48, 2008.

Li W, **Moseley D**, **Jaffray D**. Does changing image guidance processes impact patient setup practice? *Int J Radiat Oncol Biol Phys* 72(1):S637-S638, 2008.

Lim G, **Bezjak A**, **Higgins J**, **Moseley D**, **Hope A**, **Sun A**, **Cho J**, **Brade A**, Le L, **Bissonnette JP**. Respiratory correlated cone beam CT in the assessment of volumetric and geometric tumour changes in non-small cell lung cancer during radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S55, 2008.

Lim G, **Bezjak A**, **Higgins J**, **Moseley D**, **Hope AJ**, **Sun A**, **Cho JBC**, **Brade A**, Le L, **Bissonnette J-P**. Respiratory correlated cone beam CT in the assessment of volumetric and geometric tumour changes in non-small cell lung cancer during radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S55, 2008.

Lim GW, **Bezjak A**, **Higgins J**, **Moseley D**, **Hope AJ**, **Cho BC**, **Sun A**, **Brade A**, Le L, **Bissonnette JP**. Respiratory correlated cone beam CT in the assessment of non-small cell lung cancer during radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1): S430-S431, 2008.

Lim G, **Sun A**, Wysocka B, **Vines D**, Freeman M, **Bezjak A**, **Cho J**, **Brade A**, **Hope A**, **Breen SL**. A pilot prospective study using FDG PET-CT in the assessment of metabolic and anatomic response before, during, and after radiotherapy in lung cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting 2008, Montreal. *Radiother Oncol* 88(Suppl 1):S2, 2008.

Lim KSH, **Kelly V**, Stewart J, **Moseley J**, **Brock K**, **Cho Y**, **Fyles A**, Lundin A, Reh binder H, **Milosevic M**. Whole pelvis IMRT for cervix cancer: what gets missed & why? American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S112, 2008.

Lim K, **Kelly V**, Stewart J, Xie J, **Moseley J**, **Brock K**, **Cho Y-B**, **Fyles A**, Lundin A, Reh binder H, **Milosevic M**. Organ motion and the dose consequences in whole pelvis intensity modulated radiation therapy (IMRT) for cervix cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S50, 2008.

Lim K, **Kelly V**, Stewart J, Xie J, **Moseley J**, **Brock K**, **Cho Y-B**, **Fyles A**, Lundin A, Reh binder H, **Milosevic M**. Whole pelvis IMRT for cervix cancer: What gets missed &

why? American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):248, S112, 2008.

Lim K, **Kelly V**, Stewart J, Xie J, **Moseley J**, **Brock K**, **Cho Y-B**, **Fyles A**, Lundin A, Rehbindler H, **Milosevic M**. The dose consequence of adaptive IMRT for cervix cancer: The influence of tumor size. *Radiother Oncol* 88(Suppl 2):S33, 2008.

Lim G, **Sun A**, Wysocka B, **Vines D**, Freeman M, **Bezjak A**, **Cho J**, **Brade A**, **Hope A**, **Breen S**. A pilot prospective study using FDG PET CT in the assessment of metabolic and anatomic response before, during, and after radiotherapy in lung cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S2, 2008.

**Lindsay P**, **Moseley D**, **Hope A**, **Hill R**, **Jaffray D**. TU-C-AUD C-01: Spatio-temporal amplification of radiation response project. *Med Phys* 35(10):2890, 2008.

**Lindsay PE**, **Moseley DJ**, **Jaffray DA**, **Hope AJ**. The impact of respiratory motion on highly conformal image-guided radiation therapy of small animals. International Conference on Translational Research (ICTR), Geneva. *Radiother Oncol* 90(3):S191, 2009.

Liu CS, Elser C, **Huang S**, Pond GR, **O'Sullivan B**, Chen EX, **Waldron JN**, Goldstein D, Siu LL, **Kim J**, Multidisciplinary Head & Neck Site Group. Correlation of deviation from intended cisplatin (CDDP) dose intensity with outcome in patients with locally advanced head and neck squamous cell carcinoma (LA-HNSCC) receiving concurrent chemoradiation (CRT). American Society of Clinical Oncology (ASCO) Conference, Chicago, *J Clin Oncol* 26, 2008.

Liu C, Elser C, **Huang S**, Pond GR, **O'Sullivan B**, Chen EX., **Waldron J**, **Bayley A**, **Cummings BJ**, **Dawson LA**, **Ringash J**, Godlstein D, Siu L, **Kim J**. Delivery of less than intended cisplatin (CDDP) dose intensity in patients with locally advanced head and neck squamous cell carcinoma (LA-HNSCC) receiving concurrent chemoradiation (CRT) correlates with poorer outcome. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S13, 2008.

Liu CS, Elser C, **Huang S**, Pond R, **O'Sullivan B**, Chen EX, **Waldron JN**, Goldstein D, Siu LL, **Kim J**. Correlation of deviation from intended cisplatin (CDDP) dose intensity with outcome in patients with locally advanced head and neck squamous cell carcinoma (LA-HNSCC) receiving concurrent chemoradiation (CRT). *J Clin Oncol* 26(15S):6052, 2008.

**Loblaw DA**, Tang CI, **Cheung P**, Holden L, **Morton G**, **Basran P**, Tirona R, Cardoso M, **Pang G**, Gardner S. Hypofractionated accelerated radiotherapy for low-risk localized prostate cancer: The further follow-up of a weekly Canadian regimen. Société Internationale d'Urologie World Uro-Oncology Update, Santiago. (Abstract MP 3.05), 2008. *Urology* 72(5):Suppl 1,S77, 2008.

Low D, Izaguirre E, Deasy J, Mutic S, **Hope A**, Stojadinovic S, Diao X, Grigsby P. TU-C-AUD C-03: Teletherapy MicroRT using a commercial <sup>192</sup>Ir Source. *Med Phys* 35(10): 2890, 2008.

Luoto K, **Bristow R**. Myc and DNA repair. Golden Horseshoe Meeting Radiation Symposium, Rochester, NY, 2008.

Ma J, Yeow J, **Chow JCL**, Barnett R. Design and study of a novel dosimeter based on carbon fiber material. *Med Phys* 35:2787, 2008.

Ma J, Yeow J, **Chow JCL**, Barnett RB. Effect of percolation on electrical conductivity in a carbon nanotube - based film radiation sensor. IEEE International Nanotechnology Conference, Arlington. Proceedings 259-262, 2008.

**Mah K**, Caldwell CB, **Poon I**, **Balogh J**, **MacKenzie R**, Tirona R, Chong R. Variability in identification of positive nodes for head and neck cancers: Comparison of CT alone with PET-CT. American Society for Therapeutic Radiology and Oncology (ASTRO), Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S590, 2008.

Magierowski K, **Moseley J**, Lockwood G, Parent A, Euler C, **Sharpe M**, Griffin A, **Brock K**, **Catton C**, **O'Sullivan B**. Retrospective study of volume changes in two pathological subtypes of sarcomas using deformation image registration. *Int J Radiat Oncol Biol Phys* 72(1):S504, 2008.

Maziak D, Darling GE, Incullet RI, Gulenchyn K, Driedger AA, **Ung YC**, Miller JD, Koru-Sengul T, Evans WK, Levine MN. A randomized controlled trial (RCT) of 18 F-Fluorodeoxyglucose (FDG) positron emission tomography (PET) versus conventional imaging (CI) in staging potentially resectable non-small lung cancer (NSCLC). *J Clin Oncol* 26(155):7502, 2008.

McArdle O, Lee G, Clemons M, **Dinniwell R**. CT/MRI fusion significantly reduces the risk of geographic miss when ablating the ovaries by radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1),S45, 2008.

**Milosevic M**, **Fyles A**, Pintilie M, **Hill RP**. Concurrent radio- and chemotherapy for cervix cancer: Selective benefit of cisplatin in patients with high initial interstitial fluid pressure (IFP). *Radiother Oncol* 90(Suppl 3):S77, 2009.

Mitera G, **Barker R**, **Pignol JP**, **Rakovitch E**, Cardoso M. Comparative dosimetric study of photon and electron boost techniques using computed tomography guided target definition and planning after breast conserving therapy. European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg, 2008. *Radiother Oncol* 88:S49, 2008.

Mitera G, Zeiadin N, Kirou-Mauro A, DeAngelis C, Wong J, Sanjeevan T, **Sinclair E**, **Danjoux C**, **Barnes E**, **Tsao M**, **Sahgal A**, **Chow E**. Assessment of cancer pain management in an outpatient palliative radiotherapy clinic using the pain management index. Bonus 4 Conference, Toronto, 2009.

Mitera G, Zeiadin N, Kirou-Mauro A, DeAngelis C, Wong J, Sanjeevan T, **Sinclair E**, **Danjoux C**, **Barnes E**, **Tsao M**, **Sahgal A**, **Chow E**. Assessment of cancer pain

management in an outpatient palliative radiotherapy clinic using the pain management index. 19th Annual Ontario Provincial Conference on Palliative and End-of-Life Care. Toronto, 2009.

**Morton G, Loblaw DA**, Sankreacha R, Deabreu A, Zhang L, **Cheung P, Danjoux C, Szumacher E**, Vigneault E, Springer C. A comparison of single fraction 15 Gy high dose-rate brachytherapy with fractionated boost in prostate cancer. *Radiother Oncol* 91:S24, 2009.

**Morton G, Loblaw DA**, Sankreacha R, Deabreu A, Zhang L, **Cheung P, Danjoux C, Szumacher E, Thomas G**. A Phase II clinical trial of single fraction high dose-rate brachytherapy and hypofractionated external beam radiotherapy in men with intermediate risk carcinoma of the prostate. Genitourinary Cancers Symposium, Orlando. Proceedings, Abstract 112, 2009.

**Morton G, Loblaw DA**, Sankreacha R, Zhang L, Vigneault E, Springer C. High dose-rate prostate brachytherapy and supplemental external beam radiotherapy: A comparison of single fraction 15 Gy high dose-rate and hypofractionated external beam to a conventional fractionated regimen. *Brachytherapy* 8:110, 2009.

**Moseley DJ, Sharpe MB, Craig TD, Jaffray DA**. Integration of kV image-guidance with arc therapy for radiotherapy of the prostate. *Med Phys* 35(6):2633, 2008.

Mu Y, **Hope AJ, Lindsay P**, El Naqa I, Apte A, Deasy JO, Bradley JD. Statistical modeling of tumor control probability for non-small-cell Lung cancer radiotherapy. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S448, 2008.

Myerson R, Garofalo M, el Naqa I, Abrams R, Bosch W, Das P, Gunderson L, Hong T, **Kim J**, Willett CG, Kachnic L. Elective clinical target volumes for conformal therapy in anorectal cancer: An RTOG consensus panel contouring atlas. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S711, 2008.

Mydin A, Sussman J, **Cho J**, Nichol A, **Mohamed I**, Wright J, Weir L, Truong P, Whelan T, Olivotto I. Two-year results of the Canadian feasibility study of accelerated partial breast irradiation (APBI) using 3-D conformal radiation therapy (3D-CRT). Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S22, 2008.

Myrehaug S, Ko Y, Hanna S, Cardoso M, Bell C, Makhani N, Dahele M, **Ung YC**. Dose escalated radiation in the treatment of locally advanced pancreatic or bile duct cancer using tomotherapy: initial experience at the Odette Cancer Centre. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S59, 2008.

Ng A, Beiki-Ardakan A, Tong S, **Moseley D, Siewerdsen J, Jaffray DA, Yeung IW**. A dual modality phantom for cone beam CT and ultrasound image fusion in prostate implant. *Med Phys* 35(5):2062-71, 2008.

Nguyen J, Campos S, Zhang L, **Sinclair E, Tsao M, Barnes E, Danjoux C, Sahgal A, Goh P, Culleton S, Mitera M, Chow E**. The palliative performance scale: examining its inter-rater reliability in an outpatient palliative radiation oncology clinic. 19th Annual Ontario Provincial Conference on Palliative and End-of-Life Care, Toronto, 2009.

Owringi AM, Jezioranski J, **Keller H**, Beiki-Ardakani A, Clarkson R, **Yeung I**. Episcleral slotted plaque Monte Carlo dose calculations. American Brachytherapy Society Annual Meeting, Toronto, 2009.

Panju AH, Breunis H, Cheung AM, Duff-Canning S, Fleshner NE, Krahn M, Naglie G, **Warde P**, Alibhai SM. Management of decreased bone mineral density (BMD) in men starting androgen deprivation therapy (ADT) for prostate cancer. J Clin Oncol 26 (Suppl):A16115, 2008.

**Pang G, Rowlands JA**. Just-in-time tomography (JiT). Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec. Med Phys 35,3404, 2008.

Pang J, Culleton S, Hird A, Nguyen J, Emmenegger U, Verma S, Simmons C, **Barnes E, Tsao M, Sahgal A, Danjoux C**, Mitera G, **Sinclair E, Chow E**. Bisphosphonates in combination with radiotherapy for bone metastases: a literature review. Bonus 4 Conference. Annual Ontario Provincial Conference on Palliative and End-of-Life Care. Toronto, 2009.

Pang J, Culleton S, Zhang L, Presutti R, Nguyen J, Mitera G, **Sinclair E, Barnes E, Tsao M, Danjoux C, Sahgal A, Chow E**. Are baseline ESAS symptoms related to pain response in patients treated with palliative radiotherapy for bone metastases? Bonus 4 Conference. Annual Ontario Provincial Conference on Palliative and End-of-Life Care, Toronto, 2009.

Papanicolau N, Azrif M, Ranieri S, Giles A, **Czarnota G**. Conventional-frequency detection of apoptosis in vitro and in vivo. American Institute of Ultrasound in Medicine, San Diego. Proceedings S84, 2008.

Paszat L, **Mathers H, Saskin R, Bondy S, Chiarelli A, Holloway C, Jong R, Mai V, Ringash J**. Screening mammography between ages 41 to 49 reduces breast cancer mortality. The Canadian Breast Cancer Research Alliance (CBCRA) Biennial Conference, Vancouver, 2008.

Patil N, Borg J, **Crook J**. What treatment margins should we achieve with Iodine-125 prostate brachytherapy? World Congress of Brachytherapy Annual Scientific Meeting, Boston. Brachytherapy 7(2) PO-133,181, 2008.

Patil N, Borg J, **Crook J**. What margins should we achieve with Iodine 125 prostate brachytherapy? Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S8, 2008.

Pearson S, Dahele M, **Purdie T**, Franks K, **Brade A**, **Cho J**, **Sun A**, Marshall A, **Bezjak A**. A comprehensive team-based approach to lung SBRT treatment planning and delivery. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S33, 2008.

Pennefather P, Urowitz S, **Wiljer D**, Delenardo C, Eysenbach G, Burdnicki S, Leonard K. The personal health record as a self-management tool. E-Health 2008, COACH Conference. Vancouver. Conference Proceedings 04-07, 2008.

**Pignol JP**. Comparison of total body scatter dose to various organs for standard and accelerated partial breast irradiation techniques. World Congress of Brachytherapy Annual Scientific Meeting, Boston. *Brachytherapy* 7:107, 2008.

**Pignol JP**, Keller B, **Rakovitch E**, Sankreacha R. Final tolerance and acceptance results of a Phase I/II clinical trial of permanent breast <sup>103</sup>Pd Seed implant. World Congress of Brachytherapy Annual Scientific Meeting, Boston. *Brachytherapy* 7:111, 2008.

**Pignol JP**, Keller B, **Rakovitch E**, Sankreacha R. Tolerance and acceptance of a Phase I/II trial of accelerated partial breast irradiation using Permanent Breast <sup>103</sup>Pd Seed Implant (PBSI). European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg. *Radiother Oncol* 88:S206, 2008.

Pintilie M, Lakovlev V, **Milosevic M**, Hedley D, Bachtary B, **Fyles A**, **Hill RP**. Heterogeneity and power in clinical biomarker studies. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S38, 2008.

**Poon I**, Caldwell C, **Balogh J**, **Mackenzie R**, Enepekides D, Higgins K. A pilot study to assess intra-treatment PDG-PET parameters that predict for locoregional control in advanced head and neck cancer treated with chemoradiation. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88 (Suppl 1):S1, 2008.

Prakash V, Stainsby JA, Sathunasingham J, **Craig T**, **Catton C**, Chan P, **Dawson L**, Hensel J, **Jaffray DA**, **Milosevic M**, Nichol A, Sussman MS, Lockwood GG, **Ménard C**. Validation of supervised automated algorithm for fast quantitative evaluation of organ motion on magnetic resonance imaging. *Int J Radiat Oncol Biol Phys* 71(4):1253-60, 2008.

Presutti R, Campos S, Zhang L, Mitera G, **Sinclair E**, **Tsao M**, **Barnes E**, **Danjoux C**, **Sahgal A**, **Chow E**. Palliative radiotherapy for painful bone metastases in the elderly: not a trade off. Bonus 4 Conference, Toronto, 2009.

Presutti R, Campos S, Zhang L, **Sinclair E**, **Tsao M**, **Barnes E**, **Danjoux C**, **Sahgal A**, Goh P, Culleton S, Mitera G, **Chow E**. The palliative performance scale: examining correlation to Karnofsky performance scale in outpatient palliative clinic. Annual Ontario Provincial Conference on Palliative and End-of-Life Care Conference. Toronto, 2009.

Presutti R, **Chow E**, Hird A, Zhang L, **Sinclair E**, **Danjoux C**, **Barnes E**, **Tsao M**, **Barbera L**, **Wong S**, Vieth S. Change in urinary markers of osteoclast activity following palliative radiotherapy for bone metastases. Bonus 4 Conference, Toronto, 2009. Annual Ontario Provincial Conference on Palliative and End-of-Life Care. Toronto, 2009.

Publicover J, Vandermeer A, Norrlinger B, **Alasti H**. Feasibility of using a programmable respiratory motion phantom for QA and assessment of dosimetric implications of breathing motion during radiation therapy. American Association of Physicists in Medicine (AAPM) Annual Meeting, Houston. Med Phys 35(6):2795, 2008.

Quinten C, Maringwa J, Martinelli F, Coens C, Cleeland CS, Flechtner H, Gotay C, Greimel E, King M, Osoba D, Reeve BB, **Ringash J**, et al. The association between age and gender with health related quality of life for cancer patients stratified by disease severity: A meta-analysis of randomized controlled trials. Multinational Association of Supportive Care in Cancer (MASCC/ISOO) Supportive Care in Cancer, Rome, 2009.

**Rakovitch E**, **Paszat L**, Hanna W, **Pignol JP**, Kahn H, Wong J, Done S, Goodwin P, Holloway C, Tuck A, Elavathil L, Gravel D, Sengupta S, Escot N, Bonin M, Quan ML, Zhang L. Predictors of local recurrence in ductal carcinoma in situ: A population-based outcomes analysis. Reasons of Hope, Vancouver, 2008.

**Rakovitch E**, **Paszat L**, Hanna W, **Pignol JP**, Kahn H, Wong J, Done S, Goodwin P, Holloway C, Tuck A, Elavathil L, Gravel D, Sengupta S, Escot N, Bonin M, Quan ML, **Ackerman I**. Lobular carcinoma in situ: A Population-based analysis. Reasons of Hope, Vancouver, 2008.

**Rakovitch E**, Nofech-Mozes S, **Spayne J**, Chartier C, Narod S, **Paszat L**, Hanna W. Relationship between invasive recurrence following breast-conserving surgery for ductal carcinoma in situ, HER2/neu overexpression and low p53 expression. 2008 Breast Cancer Symposium, American Society of Clinical Oncology Breast Symposium, Washington, 2008.

Ranieri S, Vlad R, Debeljevic B, Giles A, Kolios MC, **Czarnota G**. High frequency ultrasound: detection and differentiation of apoptosis and necrosis during cancer therapy. American Institute of Ultrasound in Medicine, San Diego. Proceedings S82, 2008.

**Ringash J**, Lockwood G, Lee M, **Kim J**, **Dinniwell R**, **Brierley J**, **Dawson LA**. Prospective QOL for patients receiving stereotactic liver radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. Radiother Oncol 88(Suppl 1):S29, 2008.

**Ringash J**, Lockwood G, Lee M, **Kim J**, **Dinniwell R**, **Brierley J**, **Dawson LA**. Stereotactic body radiotherapy for liver malignancies: Prospective QOL results. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. Int J Radiation Oncol Biol Phys 72(Suppl 1):S499, 2008.

**Ringash J**, Lockwood G, Lee M, **Kim J**, **Dinniwell R**, **Brierley J**, **Dawson LA**. Responsiveness of FACT-HEP and EORTC QLQ-C30 to radiotherapy for malignant liver

tumours. International Society for Quality of Life (ISOQOL) Research Meeting, Montevideo, The QLR Journal A-51 2008

**Ringash J**, Or W, Lee M, **Dinniwell R**, **Brierley J**, **Dawson L**. Prospective quality of life for patients receiving stereotactic liver radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S92, 2008.

**Rosewall T**, Jing Y, **Bayley A**, **Kelly V**, Pellizzari A, **Chung P**, **Catton C**. Inter-professional variability in the assignment and recording of acute toxicity grade using the RTOG system during prostate radiotherapy. *Radiother Oncol* 90(3):395-399, 2009.

**Rosewall T**, Kong V, **Vesprini D**, **Catton C**, **Chung P**, **Ménard C**, **Bayley A**. Prostate delineation using CT and MRI for radiotherapy patients with bilateral hip prostheses. *Radiother Oncol* 90(3):325-330, 2009.

Roussos J, **Waldron J**, **Bayley A**, **Dawson L**, **Cummings B**, **Kim J**, **Ringash J**, **Breen SL**, **O'Sullivan B**. Normal structure sparing with partial laryngeal radiation for T1a glottic cancer: dosimetric evaluation of varying PTV margins and radiation techniques. European Society for Therapeutic Radiation and Oncology (ESTRO) Annual Meeting. Göteborg. *Radiother Oncol* 88(Suppl 2):S28, 2009.

Ruschin M, **Cho Y**, **Jaffray D**. Dosimetric considerations of treating larger target volumes with perfexion. *Med Phys* 35(6):2946-7, 2008.

**Sahgal A**, Ames C, Chou D, Ma L, Chuang C, Lamborn K, Chin C, Huang K, Weinstein P, Larson D. Stereotactic body radiotherapy (SBRT) for spinous metastases: Preliminary experience at the University of California, San Francisco. *Can J Neurol Sci* 35(3):387, 2008.

**Sahgal A**, Gibbs I, Ryu S, Ma L, Gerszten P, Chang U-K, Soltys S, Weinberg V, Fowler J, Chang E, Chao S, **Wong CS**, Larson D. Preliminary guidelines for avoidance of radiation induced myelopathy following spine stereotactic body radiosurgery (SBRS). Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S24, 2008.

**Sahgal A**, Gibbs I, Ryu S, Ma L, Gerszten P, Soltys S, Weinberg V, Fowler J, Chang E, Larson D. Preliminary guidelines for avoidance of radiation induced myelopathy following Spine stereotactic body radiosurgery (SBRS). American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S220, 2008.

**Sahgal A**, Chou D, Ames C, Ma L, Lamborn K, Chuang C, Huang K, Aiken A, Petti P, Weinstein P, Larson D. Stereotactic body radiotherapy (SBRT) for benign spinal tumors: Preliminary experience at the University of California, San Francisco. *Can J Neurol Sci* 35(3):395, 2008.



Sampson H, **Wiljer D**, **Brierley J**, Panzarella T, **Nyhof-Young J**, Heslegrave R, Nash L, Gouinlock K, Heus K, Upshur, Short D. REB-LS. Introducing and implementing a web-based communication strategy for Research Ethics Board Members with legal expertise. UICC World Cancer Congress, Geneva, 2008.

Sampson H, **Wiljer D**, **Brierley J**, Panzarella T, **Nyhof-Young J**, Heslegrave R, Nash L, Gouinlock K, Heus K, Upshur, Short D. A global necessity and moral imperative in 2008. Introducing and developing harmonization to research ethics boards/research ethics committees/institutional review boards in Canada. UICC World cancer Congress 2008. Geneva, 2008.

Sanghera P, **Lightstone AW**. Fractionated stereotactic treatment of brain metastases using Tomotherapy and image guided MVCT: follow-up on patients who could not be treated with radiosurgery. *Can J Neurol Sci* 35:394, 2008.

Sanghera P, Gardner SL, Scora D, Martel A, **Davey P**. Segmentation analysis studying the effects of palliative whole brain irradiation. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S223, 2008.

Sanghera P, **Tsao M**, Symons S, Law K, **Sahgal A**, Morrison M, Aviv R, Perry J, **Davey P**. Hypofractionated radiotherapy with concurrent temozolamide for glioblastoma. *Clin Oncol* 21(Suppl 1):277, 2009.

Sanghera P, Symons S, **Sahgal A**, Morrison M, Aviv R, Perry J, **Tsao M**. Early imaging changes mimicking progression for glioblastoma in the combined chemotherapy era. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S43, 2008.

Satkunasingham J, **Craig T**, Chan K, **Kirilova A**, Foltz W, Stainsby J, Sussman M, **Chung P**, **Jaffray D**, **Ménard C**. Baseline MRI measure of prostate motion enables patient-specific design of PTV margin. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S49, 2008.

Sawka AM, Thabane L, Parlea L, Subramanian S, Ibrahim-Zada I, Tsang RW, **Brierley JD**, Straus S, Ezzat S, Goldstein D. The risk of second primary malignancy in thyroid Cancer survivors treated with radioactive iodine: A systematic review and meta-analysis. 79<sup>th</sup> Annual Meeting of the American Thyroid Association and Registry, Chicago. *Thyroid* 18(1):S22,A39, 2008.

Sawka AM, **Brierley JD**, **Tsang RW**, Thabane L, Rotstein L, Gafni A, Straus S, Goldstein DP. An updated systematic review and commentary examining the effectiveness of radioactive iodine remnant ablation in well-differentiated thyroid cancer. In: *Thyroid Tumors*. Ezzat, S and Asa SL (Eds.), Endocrinology and Metabolism Clinics of North America 37(2):457-480, 2008.

Saurabh S, Litofsky D, Ain KB, Bigos T, **Brierley JD**, Cooper DS, Haugen BR, Jonklass J, Ladenson W, Magner JA, Maxon HR, Robbins J, Ross DS, Skarulis M, Steward DL,

Sherman S. Hurtle cell carcinoma of the thyroid: Prognostic factors in the National Thyroid Cancer Treatment Cooperative Study (NTCTCS). American Thyroid Association and Registry (ATA) Annual Meeting, Chicago. *Thyroid* 18(1):S75, 2008.

Schwartz M, **Tsao M** and **Michaels HB**. A possible strategy for radiosurgery of large (>15 cc) arteriovenous malformations (AVMs). Canadian Radiosurgery Society Meeting, St. John's, 2009.

Schwartz F, **Wiljer D**, Friedman A, Hutchings T, Urowitz S, Quartey N K, Smith R. Paper. Patient education in Canadian hospitals: A scan of current practices. STFM, 2008 Conference on Practice Improvement, Savannah. Proceedings 04-07 2008.

Schwartz F, Hutchings T, Friedman A, **Wiljer D**, Quartey NK, Urowitz S. Scanning the landscape of patient education in Canadian hospitals. 2009 National Healthcare Leadership Conference, St. John's, 2009.

Secord S, **Wiljer D**, Urowitz S, Friedman A. The Survivorship Empowerment Model for Integrated Cancer Care (SEMICC): A survivor centred model for supportive care delivery. AACE 2008 Clearwater Beach October 2008. *Journal of Cancer Education* 23(S)23, 2008.

Shamrakov L, Sampson H, **Nyhof-Young J**, Rahim Y. Assessment of barriers to patient participation in clinical trials among oncology outpatients at a community teaching Toronto hospital. San Antonio Breast Cancer Symposium, San Antonio, 2008.

Shamrakov L, Sampson H, **Nyhof-Young J**, Rahim Y. Assessment of barriers to patient participation in clinical trials among oncology outpatients at a community teaching hospital in Toronto. *Proc AmSoc Clin Oncol* 27(e17547), 2009.

**Siewerdsen JH**, et al. Development and implementation of an integrated image-guided surgery system based on a prototype C-Arm for high-performance cone-beam CT, Computer-Assisted Radiology and Surgery (CARS) Annual Meeting, Berlin, 2009

**Siewerdsen JH**, et al. An integrated system for high-performance cone-beam CT guidance of head and neck surgery. *SPIE Medical Imaging: Visualization, Image-Guided Procedures, and Modeling*, Orlando, 2009.

**Sinclair E**, Ford M, **Danjoux C**, **Chow E**. Minimally invasive treatment of tumour related vertebral compression fractures and other metastatic bone lesions. Bonus 4 Conference, Toronto, 2009.

Sinclair E, Ford M, **Holden L**, **Chow E**. Minimally invasive treatment of tumour related vertebral compression fractures and other metastatic bone lesions. International Meeting on Cancer Induced Bone Disease, Edinburgh. *Cancer Treat Rev* 34(Suppl)85, 2008.

Smale J, Norrlinger B, **Jaffray D**, Heaton R, Huang C, Ivanovski J, Galbraith D, **Islam M**. real-time quality assurance monitor for validation of VMAT delivery. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Rad Onc Bio Phys* 72(Suppl 1):S672, 2008.

Soliman H, **Cheung P**, Yeung L, **Poon I**, **Balogh J**, **Barbera L**, **Spayne J**, **Danjoux C**, **Dahele M**, **Ung Y**. Accelerated hypofractionated radiotherapy for early stage non-small cell lung cancer: long term results. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S433, 2008.

Soliman H, **Cheung P**, Yeung L, **Poon I**, **Balogh J**, **Barbera L**, **Spayne J**, **Danjoux C**, **Dahele M**, **Ung Y**. Accelerated hypofractionated radiotherapy for early-stage non-small cell lung cancer: long-term results. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S19, 2008.

Soliman H, **Cheung P**, **Poon I**, **Balogh J**, **Barbera L**, **Spayne J**, **Danjoux C**, **Dahele M**, **Ung YC**. Toxicity of an accelerated hypofractionated radiotherapy regimen for early—stage non-small cell lung cancer. *Curr Oncol* 15(3):7, 2008.

Soliman H, **Wong R**, **Ringash J**, Lockwood G, **Dinniwell R**, **Brierley J**, **Kim J**, **Cummings B**, **Dawson L**. Preliminary results of a phase II study of single fraction palliative radiotherapy for symptomatic hepatocellular carcinoma and liver metastases. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S17, 2008.

Stewart J, Lim K, **Brock K**, **Moseley J**, Xie J, Lundin A, Reh binder H, **Fyles A**, **Milosevic M**, **Jaffray D**. Automated weekly online replanning for IMRT of cervix cancer. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1)S18, 2008.

Sturdza AE, **Bezjak A**, Pond GR, Burrows K, **Millar B**, Garraway C, **Laperriere N**, **Dawson L**, **Wong RK**. A phase II prospective study of standardized steroid dosing for patients with brain metastases undergoing whole brain therapy. American Society of Clinical Oncology (ASCO) Conference, Chicago. *J Clin Oncol* 26(15S):101s, 2008.

**Sun A**, Lim G, Wysocka B, **Vines D**, Freeman M, **Bezjak A**, **Cho J**, **Brade A**, **Hope AJ**, **Breen S**. A pilot prospective study of metabolic and anatomic response using FDG PET CT before, during and after radiotherapy in lung cancer. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S459, 2008.

Tabassum A, Venentkaraman V, **Bristow R**. Selenium and radiosensitivity of prostate cancer cells in vitro. Golden Horseshoe Meeting Radiation Symposium, Rochester, NY, 2008.

Tang Q, Kim S, Clarkson R, **Moseley D**, **Yeung I**. On-line dynamic contrast enhanced cone-beam CT for measuring changes in tumor perfusion due to radiation therapy. Canadian Organization of Medical Physicists and the Canadian College of Physicists in Medicine (COMP/OCPM) Annual Meeting, Quebec.

Tang Q, Kim S, Clarkson R, **Moseley D**, **Cho Y**, **Yeung I**. On-line perfusion measurement with dynamic contrast enhanced cone-beam CT in radiation therapy. *Med Phys* 35(6):2938, 2008.

Tang Q, Kim S, **Cho Y**, **Moseley D**, **Yeung I**. On-line dynamic contrast enhanced cone-beam CT for measuring changes in tumor perfusion due to radiation therapy. *Med Phys* 35(7):3414-3415, 2008.

Timmerman R, Paulus R, Galvin J, Michalski J, Straube W, Bradley J, Fakitis A, **Bezjak A**, Videtic G, Choy H. Interim toxicity analysis of RTOG 0236 using stereotactic body radiation therapy to treat medically inoperable early stage lung cancer patients. *J Thorac Oncol* 3(Suppl 4):S89, 2008.

Tolan S, **Vesprini D**, Jewett M, Sturgeon J, Moore M, O'Malley M, Panzarella T, **Gospodarowicz M**, **Warde P**, **Chung P**. No role for routine chest radiography in stage I seminoma surveillance. American Society of Clinical Oncology (ASCO) GU, Orlando 2009.

Tolan S, Kong V, **Rosewall T**, **Craig T**, **Bristow R**, **Milosevic M**, **Gospodarowicz M**, **Chung P**. Patient specific PTV margins in radiotherapy for bladder cancer – a feasibility study using cone beam CT. American Society of Clinical Oncology (ASCO), Genitourinary Cancer Symposium, Orlando. Conference Proceedings 202:248, 2009.

**Tsao M**, Sanghera P, **Sahgal A**, Morrison M, Symons S, Aviv R, Perry J. Pseudo-progression following concurrent radiation and temozolomide for glioblastoma. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(1):S198-199, 2008.

Tse RV, Guha C, **Dawson LA**. Conformal adiotherapy for hepatocellular carcinoma. *Crit Rev Oncol Hematol* 67(2):113-23, 2008.

**Ung YC**, Wu K, Hornby J, Freeman M, Hang D, **Tsao M**, Dahele M, Darling G, Maziak D, Tirona R, **Mah K**, **Wong CS**. Defining the appropriate PET intensity threshold and CT threshold for target delineation in early state non-small cell lung cancer: a radiological and pathological correlation study. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl: 1)S113, 1002, 2008.

Urowitz S, **Wiljer D**, Friedman A, Secord S, **Catton P**. Caring Voices: An online community of support for cancer survivors. UICC World Cancer Congress, Geneva, 2008.

Urowitz S, **Wiljer D**, Willson D, **Catton P**. Social networks to social medicine: Exploring the role of online interventions. Medicine 2.0 Conference, Toronto. Multimedia Appendix in Eysenbach G (ed). *Medicine 2.0 Proceedings* p14, Toronto, 2008.

Urowitz S, **Wiljer D**, Friedman A, Secord S, **Catton P**. Caring Voices. Barrier free support for cancer survivors. AACE 2008 Clearwater Beach October 2008. *Journal of Cancer Education* 23(S):23, 2008.

Vakilha M, Chan B, Phoplunkar W, **Breen S**, **Dawson L**, **Bayley A**, **Ringash J**, Hope A, **Kim J**, **Cummings B**, **O'Sullivan B**, **Waldron J**. Brachial plexus contouring guideline assessed with inter observer variability during image guided IMRT for head and neck cancer.

American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S395-396, 2008.

Vakilha M, Chan B, Phoplunkar W, **Breen S, Dawson L, Bayley A, Ringash J, Hope A, Kim J, Cummings B, O'Sullivan B, Waldron J**. Feasibility of reducing radiation dose to the brachial plexus (BP) for nasopharyngeal cancer (NPC) patients treated with IMRT. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S54, 2008.

Vakilha M, Phoplunkar W, Chan B, **Breen SL, Dawson LA, Ringash J, Kim J, Cummings B, O'Sullivan B, Waldron JN**. Brachial plexus contouring guideline assessed with inter observer variability during Image guided IMRT for head and neck cancer. American Society of Therapeutic Radiology and Oncology, 50th Annual Meeting, Boston. *Int J Radiat Biol Oncol Phys* 72(1):S395-396, 2008.

Van Prooijen M, **Michaels HB, Cho YB** and Galbraith DM. Comparison of TG-21 and TG-51 calibrations of a gamma knife unit. Canadian Radiosurgery Society Meeting, Mont-Tremblant. 2008.

Van Prooijen M, **Michaels HB, Cho YB** and Galbraith DM. Comparison of TG-21 and TG-51 calibrations of a gamma knife unit. 14<sup>th</sup> International Meeting of the Leksell Gamma Knife Society, Quebec City, 2008.

Veleg M, **Moseley J, Dawson LA, Brock KK**. Accumulated treatment dose for image guided liver radiotherapy using deformable registration of 4D cone beam CT. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S149, 2008.

Vescan A, **Siewerdsen JH**, et al. A high-fidelity phantom for surgical performance evaluation. SPIE Medical Imaging: Visualization, Image-Guided Procedures, and Modeling, Orlando, 2009.

**Vesprini D**, Jalali F, Trachtenberg J, **Bristow R**. Clinical and pre-clinical measures of radiosensitivity in male BRCA1/2 carriers receiving radiotherapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S3,121, 2008.

**Vesprini D**, Sia MA, Lockwood G, **Moseley D, Bayley A, Bristow R, Chung P, Ménard C, Milosevic M, Warde P, Catton C**. The role of Principal Component Analysis in predicting toxicity in prostate cancer patients treated with hypofractionated IMRT. ASCO GU Cancer Symposium, Orlando. Proceedings p147, 2009.

**Vesprini D**, Tolan S, Sugar L, Jewett M, Moore M, O'Malley M, Panzarella T, Sturgeon J, **Gospodarowicz M, Warde P, Chung P**. Serum tumour markers do not predict for relapse in patients on surveillance for Stage 1 seminoma. American Society of Clinical Oncology (ASCO), Genitourinary Cancer Symposium, Orlando, 2009.

**Vines D, Keller H, Breen S, Sun A**. Lung FDG-PET dual time point SUVs: Effects of

radiation treatment and uptake time. Annual Scientific Meeting of the Society of Nuclear Medicine, New Orleans, 2008. *J Nucl Med* 49:424P, 2008.

Vlad RM, Orlova V, Hunt JW, Kolios MC, **Czarnota G**. Changes measured in the back scattered ultra sound signals during cell death can be potentially explained by an increase in cell size variance. Ultrasonic Imaging and Tissue Characterization Symposium, Arlington. Proceedings p256, 2008.

Vlad RM, Brand S, Giles A, Kolios MC, **Czarnota G**. Quantitative ultrasound assessing tumor responses to radiotherapy in cancer mouse models. Ultrasonic Imaging and Tissue Characterization Symposium, Arlington. Proceedings p255, 2008.

Voroney J-P, **Hope A**, Dahele M, **Brade A**, **Purdie T**, Franks K, Pearson S, **Cho J**, **Bissonnette J-P**, **Sun A**, **Payne D**, **Bezjak A**. Pain and rib fracture after SBRT for peripheral non-small cell lung cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S33-S34, 2008.

Voroney JPJ, **Hope A**, Dahele MR, **Brade AM**, **Purdie TG**, Franks KN, Pearson S, **Cho BC**, **Bissonnette JP**, **Bezjak A**. Pain and rib fracture after stereotactic radiotherapy for peripheral non-small cell lung cancer. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S35-S36,A76, 2008.

Voroney JP, **Hope A**, Dahele M, **Brade A**, **Purdie T**, **Franks K**, Pearson S, **Cho J**, **Bissonnette J-P**, **Sun A**, **Payne D**, **Bezjak A**. Pain and rib fracture after SBRT for peripheral non-small cell lung cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S33-34, 2008.

Vu TTT, **Pignol JP**, **Rakovitch E**, **Bezjak A**, Gardner S, Olivotto I. The impact of acute skin toxicity and breast radiation technique on quality of life results from a Phase III trial. European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg. *Radiother Oncol* 88(Suppl 2):S51, 2008.

**Waldron J**, **Bayley A**, **Cummings B**, **Dawson L**, **Kim J**, **Ringash J**, **O'Sullivan B**. Feeding tube requirements for advanced head and neck cancer (HNC) patients treated with IMRT versus two dimensional radiation techniques (2DRT). Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S13, 2008.

**Waldron J**, **Bayley A**, **Cummings B**, **Dawson L**, **Kim J**, **Ringash J**, **O'Sullivan B**. Differences in feeding tube requirements for patients treated with IMRT versus two dimensional radiation techniques for advanced head and neck cancer. European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg. *Radiother Oncol* 88(Suppl 2):S253, 2008.

**Waldron J**, **Bayley A**, **Cummings B**, **Dawson L**, **Kim J**, **Ringash J**, **O'Sullivan B**. Feeding tube requirements for advanced head and neck cancer (HNC) patients treated with IMRT versus two dimensional radiation techniques (2DRT). Canadian Association of

Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol*, 88(Suppl 1) S13, 2008.

Wang Y, Norrlinger B, Smale J, **Islam M**. Routine linear accelerator electron beam QA using EPIDs. Princess Margaret Hospital, Toronto. *Med Phys* 35(6):2775, 2008.

Whelan TJ, **Pignol JP**, Julian I, Grimard L, Bowen J, Perera F, Schneider K, Shelley W, **Fyles A**, Levine M. Long-term results of a randomized trial of accelerated hypofractionated whole breast irradiation following breast conserving surgery in women with node-negative breast cancer. American Society for Therapeutic Radiation Oncology (ASTRO), Boston. *Int J Rad Oncol Biol Phys* 72:S28, 2008.

Whelan T, **Pignol J-P**, Julian J, Grimard L, Bowen J, Perera F, Schneider K, Shelley W, **Fyles A**, Gulavita S, Freeman C, Lukka H, Levine M. Long-term results of a randomized trial of accelerated hypofractionated whole breast irradiation following breast conserving surgery in women with node-negative breast cancer. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(1):S21,66, 2008.

**Wiljer D**. Exploring new models for survivorship care in lymphedema: A feasibility study for online care. Canadian Breast Cancer Research Alliance (CBCRA). Vancouver, 2008.

**Wiljer D**. The power of the synoptic report for survivorship care. E-Health 2008, COACH Conference. Vancouver, 2008.

**Wiljer D**, Urowitz S, Leonard K, Apatu E, Massey C, Quartey N, **Catton P**. Patient access to personal health information: Exploring the impact on self-efficacy and anxiety. E-Health COACH Conference 2009: Leadership In Action, Quebec City, 2009.

Williamson D, Jezioranski J, Beiki-Ardakani A, Xie J, Zwahlen D, **Levin W**, **Manchul L**, **Fyles A**, **Milosevic M**. Image-guided optimization in intra-uterine brachytherapy for cervix cancer: What should the priorities be? Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S9, 2008.

Williamson D, Jezioranski J, Beiki-Ardakani A, Xie J, Zwahlen D, **Levin W**, **Manchul L**, **Fyles A**, **Milosevic M**. Optimization of intra-uterine brachytherapy (BT) in cervix cancer: Do we need to define the pre-treatment tumour? European Society for Therapeutic Radiology and Oncology (ESTRO) Annual Meeting, Göteborg. *Radiother Oncol* 88(Suppl 2):S77, 2008.

Williamson D, Jezioranski J, Beiki-Ardakani A, Xie J, Zwahlen D, **Levin W**, **Manchul L**, **Fyles A**, **Milosevic M**. Optimization of pulsed dose rate intra-uterine brachytherapy for cervix cancer: A comparison of target volume doses. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):2442,S367, 2008.

Wong J, **Breen D**, **Balogh J**, **Czarnota GJ**, Kamra J, **Barnes EA**. Treating recurrent cases of squamous cell carcinoma with radiotherapy. *Current Oncology* 15(5), 2008.

Wong K, **Bayley A**, Lockwood G, **Cummings B**, **Kim J**, **O'Sullivan B**, **Waldron J**, Siu L, Chen E, **Ringash J**. Intensity-modulated radiation therapy for nasopharyngeal carcinoma: analysis of quality of life in a prospective phase II study. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S158, 2008.

Wong K, **Bayley A**, Lockwood G, **Cummings B**, **Kim J**, **O'Sullivan B**, **Waldron J**, Siu L, Chen E, **Ringash J**. Intensity-modulated Radiation Therapy for Nasopharyngeal Carcinoma: Analysis of Quality of Life in a Prospective Phase II Study. The Royal Australian and New Zealand College of Radiologists (RANZCR) Annual Scientific Meeting, Adelaide, 2008.

Wong K, **Bayley AJ**, Lockwood G, **Cummings BJ**, **Kim J**, **O'Sullivan B**, **Waldron J**, Siu L, Chen E, **Ringash J**. FACT-H&N and UW-QOL show validity and responsiveness in nasopharyngeal carcinoma. International Society for Quality of Life (ISOQOL) Research Meeting, Montevideo. *QLR Journal A-120*,1826, 2008.

Wong K, **Bayley A**, Lockwood G, **Cummings B**, **Kim J**, **O'Sullivan B**, **Waldron J**, Siu L, Chen E, **Ringash J**. Quality of life in patients with nasopharyngeal carcinoma after intensity-modulated radiation therapy. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S12, 2008.

Wu K, **Ung YC**, Hornby J, Freeman M, Hwang D, **Tsao M**, Dahele M, Darling G, Maziak D, Tirona R, **Mah K**, **Wong CS**. PET CT thresholds for target definition in non-small cell lung cancer: How close are we to pathology? Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S36-37, 2008.

Wu K, **Ung YC**, Hwang D, **Tsao M**, Darling G, Maziak D, Tirona R, **Mah K**, **Wong CS**. Target delineation using PET CT in non-small cell lung cancer: how much difference between autocontouring and manual contouring? Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S37-38, 2008.

Wu K, **Ung YC**, Hwang D, **Tsao M**, Darling G, Maziak D, Tirona R, **Mah K**, **Wong CS**. Autocontouring and manual contouring: what is the best method for target delineation using PET CT in non-small cell lung cancer? American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S427-428,2008.

Xie, J, Lim K, **Kelly V**, **Moseley J**, **Cho Y-B**, Stewart J, **Brock K**, **Fyles A**, Lundin A, Rehbindler H, **Milosevic M**. Influence of bladder filling on uterus and cervix motion based on uterus position sub-groupings. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S2,85, 2008.

Yan J, **Huang SH**, **Fyles A**, **Levin W**, **Manchul L**, **Kelly V**, **Milosevic M**. Data quality in a prospective populated anthology of radiotherapy outcome. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* 88(Suppl 1):S47, 2008.



Yan J, **Milosevic M, Fyles A, Manchul L, Kelly V, Levin W**. Evaluation of the safety and efficacy of a hypofractionated palliative radiotherapy scheme for advanced gynaecological cancer patients. Canadian Association of Radiation Oncology (CARO) Annual Scientific Meeting, Montreal. *Radiother Oncol* Vol 88(Suppl 1):S60,189, 2008.

Yan J, **Milosevic M, Fyles A, Manchul L, Kelly V, Levin W**. Evaluation of the safety and efficacy of a hypofractionated palliative radiotherapy scheme for advanced gynecological cancer patients. European Society for Therapeutic Radiology and Oncology (ESTRO), Göteborg. *Radiother Oncol* 88(2):S483, 2008.

Yu H., Caldwell CB, **Mah K**. A method to derive a probabilistic estimate of “truth” for the validation of tumor segmentation techniques. *Med Phys* 36(6):2454, 2009.

Yu H, Caldwell CB, **Mah K**. Automatic definition of radiation targets using textural characteristics of both co-registered PET and CT. American Society of Therapeutic Radiology and Oncology (ASTRO) Annual Meeting, Boston. *Int J Radiat Oncol Biol Phys* 72(Suppl 1):S592, 2008.

Yu H, Caldwell C, **Mah K**. FDG PET/CT based feature analysis of head and neck cancer for radiation targeting. *J Nucl Med* 49(Suppl1):382, 2008.

Zeiadin N, Mitera G, **Sinclair E, Chow E, Hird A, Wong R, Zhang L, Wu J, Barbera L, Tsao M, Barnes E, Danjoux C**. Validation of meaningful change in pain scores in the treatment of bone metastases. Bonus 4 Conference, Toronto, 2009.

Zeng, **McGowan T**, Larsen T, Tsao J, Bruce L, Moran N, Nielsen M, **Islam M, MacPherson M**. Clinical implementation of varian on-board imaging system. Carlo Fidani Peel Regional Cancer Center, Mississauga; Princess Margaret Hospital, Toronto; Ottawa Regional Cancer Centre, Ottawa. *Med Phys* 35(6):2690, 2008.

Zinchenko Y, **Craig T, Keller H, Terlaky T, Sharpe M**. Analysis of the effects of multiple gEUD-type constraints on dose distribution for IMRT optimization. *Med Phys* 35(6):2868, 2008.

## **Presentations**

### **Ackerman, Ida**

Endometrial Cancer and Brachytherapy, Kitchener. 2009

### **Barker, Ruth**

Deciphering Statistics in Research: A beginner's guide. Canadian of Association Medical Radiation Technologists Annual General Conference. Pre-Conference Workshop, Vancouver. 2009

### **Barnes, Elizabeth Antonia**

Hypofractionated Radiotherapy Offers Effective Palliation for Non Melanoma Skin Cancer. Multinational Association of Supportive Care in Cancer Annual Meeting, Houston, USA. 2008

Referring Physicians Expectations of Palliative Radiotherapy for Brain Metastases. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Palliative Radiation for Nonmelanoma Skin Cancer. Canadian Association of Radiation Oncologists Annual Meeting, Montreal. 2008

Communication with Referring Physicians. The Art & Science of Pain and Symptom Management Annual Conference, Toronto. 2008

### **Batchelar, Deidre**

Delivering Brachytherapy for Cervical Cancer: Organizational and technical advice to facilitate care. Canadian Organization of Medical Physicists, Victoria. 2009

### **Bayley, Andrew**

Genitourinary Oncology – The Radiation Oncology Perspective. University of Toronto Urology Fellows Didactic Course. 2008

### **Bezjak, Andrea**

Radiotherapy for Early Stage Non-Small Cell Lung Cancer. Small Cell Lung Cancer – Radiotherapy National Cancer Institute workshop on Lung Cancer, Zagreb, Croatia. 2008

Intensity-Modulated Radiotherapy in Lung Cancer. Continuing Medical Education course on Intensity-Modulated Radiotherapy, Princess Margaret Hospital, Toronto. 2008

Image-Guided Radiotherapy in Lung Cancer. Image-Guided Radiation Therapy Education Course, Princess Margaret Hospital, Toronto. 2008

Lung Stereotactic Radiotherapy – Setting up a Stereotactic Body Radiotherapy Program. Canadian Association of Radiation Oncologists Annual Meeting, Montreal. 2008

Improving the Cure Rate of Lung Cancer with Radiotherapy. 8th Princess Margaret Hospital Conference - New Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Lung Stereotactic Radiotherapy – The Princess Margaret Hospital Experience. Cleveland Clinic 3<sup>rd</sup> Annual International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery, Orlando, USA. 2009

The Princess Margaret Hospital Experience with Lung Stereotactic Body Radiation Therapy Juravinski Cancer Center Research Rounds, Department of Radiation Oncology, Hamilton. 2009

**Bissonnette, Jean-Pierre**

Safe and Effective Implementation of Image-Guided Radiation Therapy. American Association of Physicists in Medicine, Texas, USA. 2008

Quality Assurance for Image-Guided Radiation Therapy. American Association of Physicists in Medicine, Houston, USA. 2008

A Simple, Robust IMRT Optimization Method for Lung Cancer, Accounting for Tissue Heterogeneity and Intra-fraction Lung Tumor Motion. American Society for Therapeutic Radiology and Oncology Scientific Meeting, Boston, USA. 2008

Analyse Rétrospective des Incidents en Radiothérapie: Élaboration et utilisation d'un nouveau système de classification. Scientifiques de la Société Française de Physique Médicale, Marseille, France. 2008

Safe and Effective Implementation of Image-Guided Radiation Therapy. American Association of Physicists in Medicine Professional Course Series Houston, USA. 2008

Quality Assurance for Image-Guided Radiation Therapy. American Association of Physicists in Medicine Continuing Education, Houston, USA. 2008

Atelier sur la Stéréotaxie Extra-Crânienne. Ateliers de l'Association Québécoise des Physiciens Médicaux Cliniques, Montréal. 2008

La Radiothérapie Guidée par l'Image (IGRT). Ateliers de l'Association Québécoise des Physiciens Médicaux Cliniques, Montréal. 2008

PMH Lung SBRT Program. 2009 Elekta Synergy Lung SBRT Work Group, Detroit, USA. 2009

**Brade, Anthony**

Improving Outcomes for Early-Stage Non-Small Cell Lung Cancer (NSCLC) with Stereotactic Body Radiation Therapy (SBRT). Ontario Thoracic Cancer Conference, Niagara-on-the-Lake. 2008

Pemetrexed with Concurrent Cisplatin/Radiation for Unresectable Stage III Non-Small Cell Lung Cancer: A Phase I trial. Eli Lilly Canada National Thoracic Advisory Meeting, Montebello, Quebec. 2008

A Phase I Study of Palliative Thoracic Radiation with Concurrent and Adjuvant Nimotuzumab for Patients with Stage IIB/III/IV Non-small Cell Lung Cancer. Poster Discussion - American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Rib Fracture and Chest Wall Pain After Stereotactic Body Radiation Therapy For Early-Stage Non-Small Cell Lung Cancer. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

A Phase I Clinical Trial of <sup>111</sup>In-Human Epidermal Growth Factor in Patients with Metastatic EGFR-Positive Breast Cancer (poster). American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

A Phase I Study of Palliative Thoracic Radiation with Concurrent and Adjuvant Nimotuzumab for Patients with Stage IIB/III/IV Non-small Cell Lung Cancer. European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Defining Trial Endpoints (Tumor Control and Toxicity). Scientific Conference on Stereotactic Body Radiation Therapy: Innovations and Directions for Clinical Applications. University of Rochester Medical Centre, Rochester, USA. 2008

Role of SBRT in Early Stage Lung Cancer. 34<sup>th</sup> Annual Thoracic Surgery Refresher Course, Toronto. 2009

Locally Advanced Disease Optimal Local Control and Survival: The role of radiotherapy. Western Canadian Lung Cancer Conference, Vancouver. 2009

Radiation Medicine Biomarkers. PMH Phase I Consortium Biomarkers-Imaging-Biostatistics Think-Tank Meeting. Kingbridge, Ontario. 2009

Adventures in Combined modality Therapy: Establishing a Phase I program for testing targeted therapies in combination with radiotherapy. Hospital de Madrid- Norte Sanchinarro - Centro Integral Oncológico Clara Campal, Madrid, Spain. 2009

Optimal Approach to Combined Modality Treatment in Locally Advanced NSCLC. Asia Pacific Thoracic Cancer Regional Medical Conference, Kuala Lumpur, Malaysia. 2009

**Bristow, Robert**

Biomarkers for DNA Repair Inhibitor Radiotherapy Trials Workshop on New Developments in Molecular Imaging for Translational Research for Clinical Applications, University Hospital Carl Gustav Carus, Technische Universität Dresden Dresden, Germany. 2008

Radiation Treatment of Cancer Measuring and Delivering the Dose. Pharmacy Student Symposium, University of Toronto, Toronto, 2008

Tumour Hypoxia and Therapeutic Response: Friend or foe? 4th International PacRim Breast and Prostate Cancer Meeting, Whistler. 2008

Gene-Microenvironment Synthetic Lethality Approaches in Cancer. KuDOS-AstraZeneca Pharmaceuticals, Cambridge Research Park, Cambridge, United Kingdom. 2008

Hypoxia as a Modifier of DNA Repair and Targeted Therapeutics, Inaugural Symposium, Gray Institute of Radiation Oncology and Biology, University of Oxford, Oxford, United Kingdom. 2008

Radiation Therapy – Clinical potential to target DNA repair. European Society for Therapeutic Radiation Oncology Annual Meeting, Göteborg, Sweden. 2008

DNA Repair Inhibitors and the Clinic. American Society of Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Individualized Prostate Cancer Therapy. Princess Margaret Hospital Conference - New Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Antioxidants and Prostate Cancer Radiosensitivity. Golden Horseshoe Radiobiology Meeting, University of Rochester, Rochester, USA. 2008

STTARR-MaRs, Advanced In Vivo Imaging Centre PMH Toronto. Australian Canadian Prostate Cancer Research Alliance Program, Brisbane, Australia. 2008

Hypoxia, DNA Repair and Prostate Cancer. Australian Canadian Prostate Cancer Research Alliance Program, Brisbane, Australia. 2008

Canadian Research Network. Australian Canadian Prostate Cancer Research Alliance Program, Brisbane, Australia. 2008

Prostate Hypoxia– Panel: Pathology as a Validation Tool for Cell Function. Canadian Prostate Cancer Research Institute Strategic Workshop, Pathology and Functional Imaging, King City, Ontario. 2009

Cancer Cell Hypoxia and DNA Repair: New targets and new therapies. 2nd International Workshop on Radiation and Multidrug Resistance Mediated via the Tumor Microenvironment, Dresden, Germany. 2009

Hypoxia, DNA Repair and Genetic Instability. International Conference on Translational Research (ICTR) and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland. 2009

Scoring DNA Damage In Situ: Tissue specificity and comparison to MN and plasma DNA. Center for Biophysical Assessment and Risk Management Following Irradiation (CBMARFI) Rochester Retreat, Rochester, USA. 2009

Assessing Organ Exposure by Measuring DNA Damage in Situ. CBMARFI Rochester Retreat, Rochester, USA. 2009

Radiosensitization by DNA Repair Inhibitors. American Association for Cancer Research Annual Meeting, Denver, USA. 2009

Feasibility of an ICGC Project on Prostate Cancer. Canadian Cancer Research Alliance Genome Meeting, Toronto. 2009

Living Tumour Banks and Their Potential in Screening of New Agents. Investigational New Drug Program Special Symposium, National Cancer Institute of Canada Clinical Trials Group Spring Meeting, Toronto. 2009

Research Breakthroughs. Prostate Cancer Research Foundation of Canada Annual Report, Toronto. 2008

Research Breakthroughs in Prostate Cancer Research. Prostate Cancer Foundation of Canada, Toronto. 2008

Spying on Chromosomal Damage in Cancer Cells: New tests and new treatments. Canadian Cancer Society Volunteer and Staff Conference, Kleinburg, Ontario. 2009

Harry Rosen 5K Run, PMH and Prostate Cancer Research. CFRB 1010 The Guy Talk Show, Toronto. 2009

Prostate Cancer and Oxygen: New targets and new therapies. Us Too! Brampton Chapter, Brampton. 2009

Prostate Cancer and Oxygen: New targets and new therapies. Canadian Cancer Prostate Network, Newmarket. 2008

**Brock, Kristy**

Imaging for Treatment Planning. American Association of Physicists in Medicine Annual Meeting, Houston, USA. 2008

Image Processing and Analysis for Personalized and Evidence-Based Medicine. American Association of Physicists in Medicine Annual Meeting, Houston, USA. 2008

Deformable Modeling Techniques to Facilitate Classification, Targeting, and Response Assessment. Field's Institute, Toronto. 2008

Image Registration of Image Guided and Adaptive Radiotherapy Canadian Association of Radiation Oncologists – Canadian Organization of Medical Physicists, Montreal. 2008

Challenges in Online Image Guided Radiotherapy Management for Liver Tumors. European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Multi-Organ Models for Personalized and Evidence-Based Medicine. Varian Workshop on 3D Deformable Image Registration in Radiation Therapy – A Challenge, Baden, Switzerland. 2009

Respiratory Management: The Princess Margaret Hospital experience. Washington University, Respiration Motion Management Workshop, St. Louis, USA. 2009

**Cashell, Angela**

The Development of a Professional Practice Portfolio in Radiation Therapy. Princess Margaret Hospital Innovation rounds, Toronto. 2008

**Catton, Charles**

Radiotherapy for Prostate Cancer. 1st Annual Princess Margaret Hospital Genito-Urinary dialogue. Miami, USA. 2009

**Chai, Martin**

Radiation Therapist's Perceptions of the Concept of Caring. Annual Toronto Radiation Medicine Conference, Toronto. 2009

Laboratory Skills & Professionalism Evaluation in Radiation Therapy, in-service for the Medical Radiation Sciences faculty, Toronto Michener Institute, Toronto. 2009

University of Toronto Discovery Days in Health Sciences: Seek, Aim and Shoot Radiation Therapy 101, Workshop for visiting high school students, Toronto Michener Institute, Toronto. 2009

**Charman, Patricia**

Transition from the Academic to the Clinical Environment: Steps to success. Seminar, Michener Institute of Applied Sciences, Toronto. 2009

**Cherryman, Fiona**

Clinical Remediation Processes and Strategies for Supporting Radiation Therapy Student Success. Workshop presentation at Radiotherapy in Practice 4 Conference, Sheffield Hallam University, Sheffield, UK. 2008

**Cheung, Patrick**

Novel Radiotherapeutics. New Insights, Toronto. 2008

Technical Developments in External Beam RT: Past, present, and future. Urology Divisional Rounds, Sunnybrook Health Sciences Centre, Toronto. 2008

Debate: Surgery vs Radiotherapy for Localized High Risk Prostate Cancer. GU Conversations, Mississauga. 2009

Debate: Radiosurgery vs Surgery for T1 N0 Lung Cancer. 4th Annual Ontario Thoracic Cancer Conference, Queen's Landing Inn & Conference Centre, Niagara-on-the-Lake. 2009

**Chow, Edward**

Quality of Life and Pain Flare in Bone Metastases. Grand Round, Royal Victoria Hospital, Barrie. 2008

Sunnybrook - Clinical Research. Bonus 3. Breast cancer and bone disease new updates, Toronto. 2008

Doc, How Long do I Have to Live? Annual Ontario Provincial Conference on Palliative and End-of-Life Care, Toronto. 2008

Survival Prediction. American Society for Therapeutic Radiology and Oncology Annual Meeting, Nursing Symposium, Boston, USA. 2008

Canadian Association of Radiation Oncologists' Workshop: Spinal Stereotactic Body Radiotherapy (SBRT): How, when, and the risks, and current concepts in the molecular aspects of radiation induced myelopathy. Canadian Association of Radiation Oncologists Annual Meeting, Montreal. 2008

Symptom Cluster Research in Patients with Bone Metastases Receiving Palliative Radiotherapy. Province-Wide Sleep Rounds, Toronto. 2008

Phase III and IV Development of the EORTC QLQ-BM22. EORTC QLG Semi-Annual Meeting, Brussels, Belgium. 2009

Validation of the EORTC Brain Cancer Module (QLQ-BN20) in Brain Metastases Patients. EORTC QLG Semi-Annual Meeting, Brussels, Belgium. 2009

Bone Metastases: Quality of life – whose perspectives. VU University Medical Center, department of Neurology, Medical Center Haaglanden, The Hague, The Netherlands. 2009

Functional Interference Clusters in Cancer Patients with Bone Metastases: An analysis of Radiation Therapy Oncology Group (RTOG) 9714. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Determining the accuracy of health care professionals in predicting the survival of patients with advanced metastatic cancer. Annual Hospice Palliative Care Conference, Toronto. 2009

Validation of Meaningful Change in Pain Scores in the Treatment of Bone Metastases. Annual Hospice Palliative Care Conference, Toronto. 2009

**Chung, Hans**

Research Ethics Rounds: The Case of the Nanny. Sunnybrook Health Sciences Centre, Toronto. 2009



Grand Medical Rounds: The Role of Radiotherapy in Rectal Cancer. Toronto East General Hospital, Toronto. 2009

Sunnybrook Odette Cancer Centre, Rapid Response Radiotherapy Program (RRRP) Role of Palliative Radiotherapy in GI Cancers. Sunnybrook Odette Cancer Centre, Toronto. 2009

Prostate Brachytherapy. Prostate Cancer Support Group, Newmarket. 2008

**Chung, Peter**

IMRT for Prostate Cancer: Not just the prostate alone. Hamilton Health Sciences, Hamilton. 2009

Integrating Technology for Radiotherapy in Prostate Cancer. Brampton. 2009

Radiotherapy is the Preferred Treatment for Muscle Invasive Bladder Cancer. First Annual Princess Margaret Hospital Uro-Oncology Dialogue, Hollywood, USA. 2009

Clinical Case Presentation: Prostate Cancer, Intensity-Modulated Radiation Therapy (IMRT) Education Course, Princess Margaret Hospital, Toronto. 2009

**Craig, Tim**

Advanced Image Guidance Allows Margin Reduction in Radiation Therapy of Prostate Cancer. Presented at the American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

**Crook, Juanita**

Catheterization Rates and the Severity of lower Urinary Tract Symptoms. Canadian Association of Radiation Oncology, Montreal. 2008

Brachytherapy for Squamous Carcinoma of the Penis: A penile conserving option. Societe Internationale D'Urologie World Uro-oncology update, Santiago, Chile. 2008

Iodine 125 Prostate Brachytherapy 9-Year Experience with Over 1000 Patients. Societe Internationale D'Urologie World Uro-oncology update, Santiago, Chile. 2008

Planning LDR Prostate Brachytherapy. ABS Prostate Brachytherapy School, Chicago, USA. 2008

Salvage Prostate Brachytherapy. ABS Prostate Brachytherapy School, Chicago, USA. 2008

Prostate Cancer: A paradigm for progress in oncology. Canadian Association of Radiation Oncologists Annual Gordon Richards Lecture, Montreal. 2008

Radiotherapy for Penile Cancer: A penile-conserving option. Societe Internationale d'Urologie. Santiago, Chile. 2008

Final Report of a Multicenter Canadian Phase III Randomized Trial of 3 Vs 8 months Neoadjuvant Androgen Deprivation Prior to Conventional Dose Radiotherapy for Clinically

Localized Prostate cancer. American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

The Role for Radiotherapy in Penile Conservation: Penile cancer: Current concepts and controversies. American Society for Radiology and Oncology / American Society of Clinical Oncology Genito-Urinary Cancer Symposium, Orlando, USA. 2009

Access to Brachytherapy in Canada. 18th Australasian Brachytherapy Group Annual Meeting, Gold Coast, Australia. 2009

Comparison of CT and MR-based Post Implant Dosimetry. Australasian Brachytherapy Group Annual Scientific Meeting, Gold Coast, Australia. 2009

Optimal Equations for Describing the Relationship Between Prostate Volume, Number of Sources and Total Activity in Permanent Prostate Brachytherapy. Australasian Brachytherapy Group Annual Scientific Meeting, Gold Coast, Australia. 2009

Late Urinary Toxicity After Iodine-125 Prostate Brachytherapy. 18th Australasian Brachytherapy Group Annual Meeting, Gold Coast, Australia. 2009

Iodine - 125 Brachytherapy (BT) as Monotherapy in Men Aged <55 years with Localized Cancer. 18th Australasian Brachytherapy Group Annual Meeting, Gold Coast, Australia. 2009

PSA Bounce After Iodine-125 Prostate Brachytherapy. 18th Australasian Brachytherapy Group Annual Meeting, Gold Coast Australia. 2009

The Radiation Story: Toronto Man to Man Prostate Cancer Support Group, Toronto. 2009

A Phase III Randomized Trial of Meloxicam Started Either 1 Week Prior to or Concurrent with Iodine-125 Prostate Brachytherapy to Reduce Post Implant Edema,

Squamous Cell Carcinoma of the Penis: Results of brachytherapy as primary management for 74 patients over 18-year period. Genito-Urinary Cancers Symposium, Orlando, USA. 2009

**Cummings, Bernard**

American Society for Therapeutic Radiology and Oncology and the International Community. Sino-American Network of Therapeutic Radiologists and Oncologists Symposium, Beijing, China. 2008

Gastric Cancer: North American Consensus recommendations for curative surgery and adjuvant treatment. Sino-American Network of Therapeutic Radiologists and Oncologists Symposium, Beijing, China. 2008

Gastric Cancer: Background to the North American approach. Sino American Network of Therapeutic Radiologists and Oncologists Symposium, Beijing, China. 2008

Anal Canal Cancer: North American Consensus and Background. Sino American Network of Therapeutic Radiologists and Oncologists Symposium, Beijing, China. 2008

Progress in Anal Canal Cancer: The contributions of chance and systematic research. Fudan University Cancer Hospital, Shanghai, China. 2008

International Outreach Education Programs of American Society for Therapeutic Radiology and Oncology. Symposium: American Society for Therapeutic Radiation Oncology and the International Community. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Chemoradiation for Anal Canal Cancer. Early luck but slow progress. Princess Margaret Hospital Conference - New Developments in Cancer Management: Conquering Cancer in our Lifetime. Toronto. 2008

What Can Radiation Therapy Alone Offer the Patient with Rectal Cancer? IAEA Working Group: Resource-sparing curative treatment for rectal cancer in low and middle income countries. International Atomic Energy Agency Headquarters, Vienna, Austria. 2008

American Society for Therapeutic Radiology and Oncology International Programs and the IAEA. International Atomic Energy Agency Headquarters, Vienna, Austria. 2009

Radiation and Chemotherapy for Rectal Cancer: Before or after surgery? Latin American Symposium on GAmerican Society for Therapeutic Radiation and Oncology Intestinal Malignancies, Vina del Mar, Chile. 2009

Perisurgical Treatment for Pancreas Cancer. Latin American Symposium on GAmerican Society for Therapeutic Radiation and Oncology Intestinal Malignancies, Vina del Mar, Chile. 2009

Cancers of the Esophagus and Stomach. Limits and advantages of perioperative treatment. Latin American Symposium on GAmerican Society for Therapeutic Radiation and Oncology intestinal Malignancies, Vina del Mar, Chile. 2009

**Czarnota, Gregory**

Novel Ultrasound Therapy and Imaging in Locally Advanced Breast Cancer. Toronto Breast Cancer Symposium, Toronto. 2008

Novel Low-Frequency Ultrasound Detection of Apoptosis in Vitro and in Vivo. Ultrasonic Imaging and Tissue Characterization Annual Meeting, Washington, USA. 2008

High-Frequency Detection of Cell Death: Assessment of chemotherapy, radiotherapy, photodynamic therapy and novel microbubble-therapy effects. Ultrasonic Imaging and Tissue Characterization Annual Meeting, Washington, USA. 2008

Microbubble and Ultrasound Enhancement of Radiation-Induced Tumour Cell Death in Vivo. American Association for Cancer Research Annual Meeting, San Diego, USA. 2008

Novel Low-Frequency Ultrasound Detection of Apoptosis in Vitro and in Vivo. American Association for Cancer Research Annual Meeting, San Diego, USA. 2008

Microbubble and Ultrasound Enhancement of Radiation-Induced Tumour Cell Death in Vivo, American Institute of Ultrasound in Medicine Meeting, San Diego, USA. 2008

Monitoring Photodynamic Therapy and Chemotherapy Effects in Tumours using High-Frequency Spectroscopic Ultrasound. American Institute of Ultrasound in Medicine Meeting, San Diego, USA. 2008

Novel Anti-Vascular Ultrasound and Radiation Cancer Treatment. Target Insight Conference III, Toronto. 2009

Novel Anti-Vascular Ultrasound and Radiation Cancer Treatment. Oncology Grand Rounds, London Health Sciences Centre, London. 2009

Novel Anti-Vascular Combined Ultrasound and Radiation Therapy. Bioacoustics Research Laboratory Seminar, Beckman Institute, University of Illinois Urbana Champaign, Urbana, USA. 2009

**Davey, Philip**

The Radiotherapeutic Management of Pituitary Adenomas. Sunnybrook Endocrine Rounds, Sunnybrook Health Sciences Centre, Toronto. 2008

**Dawson, Laura**

Uncertainties in Liver Cancer Radiotherapy. Minimizing the adverse effects of uncertainties in external radiation therapy. Society for Mathematical Biology Conference at Fields Institute, Toronto. 2008

Radiation Therapy for Hepatocellular Carcinoma. Sino-American Network for Therapeutic Radiology and Oncology, Beijing, China. 2008

Systemic Therapy for Hepatocellular Carcinoma. Sino-American Network for Therapeutic Radiology and Oncology, Beijing, China. 2008

IGRT Experience for Challenging Disease Sites. Elekta Clinical Solution Symposium. Sino-American Network for Therapeutic Radiology and Oncology, Beijing, China. 2008

Image Registration for Radiotherapy Planning and Treatment. Educational Refresher Course. Canadian Association of Radiation Oncology Annual General Meeting, Montreal. 2008

Image Registration Educational Session, American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

Upper Abdominal Cancer E-contouring Symposium. American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

Role of Radiation Therapy in Hepatocellular Carcinoma. The Applied Radiation Biology and Radiotherapy Section of the Division of Human Health. International Atomic Energy Agency, Vienna, Austria. 2008

Advances in Imaging in Radiation Oncology. The Eli Glatstein, MD Transitional Research Conference: New Paradigms In Radiation Oncology, University of Pennsylvania, Philadelphia, USA. 2008

High Precision Radiation Therapy for Upper Abdominal Malignancies. Princess Margaret Hospital Conference - New Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Stereotactic Radiotherapy for Liver Tumors. Moffit Interdisciplinary GI Oncology Conference, Tampa, USA. 2008

Evolving Role of Radiation Therapy in Hepatocellular Carcinoma. Hepatobiliary Rounds. University of Toronto, Toronto. 2008

Leader of Regional Therapy Panel, Hepatocellular Carcinoma, State of the Science Meeting, National Institute of Health, Washington, USA. 2008

Leader of Regional Therapy Panel, Hepatocellular Carcinoma, State of the Science Meeting, NIH, Washington, USA. 2008

Co-chair, Multidisciplinary Treatment: Hepatobiliary cancer. American Society of Clinical Oncology GI Meeting, San Francisco, USA. 2009

Panel Speaker, Cancer Advances: A public forum on American Society for Therapeutic Radiation and Oncology intestinal cancers. American Society of Clinical Oncology Cancer Foundation, San Francisco, USA. 2009

Panelist, Unresectable Hepatocellular Carcinoma. American Society of Clinical Oncology Cancer GI Meeting, San Francisco, USA. 2009

Motion Management in IMRT Panel. American Society for Therapeutic Radiology and Oncology Intensity Modulated Radiation Therapy Symposium. Pheonix, USA. 2009

Hands On. American Society for Therapeutic Radiation and Oncology Intestinal Contouring Session. American Society for Therapeutic Radiology and Oncology Intensity Modulated Radiation Therapy Symposium. Phoenix, USA. 2009

Palliative Treatment for Hepatocellular Carcinoma. Canadian Association of Hepatology Nurses, in partnership with the Canadian Association for the Study of the Liver and the Canadian Association of GAmerican Society for Therapeutic Radiation and Oncologyenterology, Banff. 2009

Evolving Role of Radiation Therapy for Hepatocellular Carcinoma, Fourth International

Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology (ICTR), Geneva, Switzerland. 2009

Hepatocellular Carcinoma Radiation Therapy. From Palliation to Cure. Radiological Society of the Republic of China Annual Meeting, Taichung, Taiwan. 2009

Toronto Hepatocellular Carcinoma Radiation Therapy Experience. Mini Hepatocellular Carcinoma Symposium on Radiotherapy in Hepatocellular Carcinoma. Current Opinion and Perspective, Taipei, Taiwan. 2009

IGRT and the New Practice of Radiotherapy. Advances in Radiotherapy Planning and Delivery. The San Francisco Radiation Oncology Conference, San Francisco, USA. 2009

IGRT for GI Cancers. Advances in Radiotherapy Planning and Delivery. The San Francisco Radiation Oncology Conference, San Francisco, USA. 2009

**Dinniwell, Robert**

Validation of a Vascular Surrogate Class Solution for Inguinal Nodal Clinical Target Volume Delineation in Precision Radiotherapy Treatment Planning. Radiological Society of North America Annual Meeting, Chicago, USA. 2008

Inguinal Nodal Clinical Target Volume Delineation: Validation of a class solution for precision radiotherapy. Canadian Association of Radiation Oncologists Annual Meeting. Montreal. 2008

Nanoparticle-Enhanced MRI for Clinical Target Volume Delineation. The Radiation Treatment Program, Juravinski Cancer Centre, Hamilton. 2009

**Eccles, Cynthia**

Comparison of Liver Tumour Motion with and without Abdominal Compression Using Cine MRI. American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

Motion Management for SBRT Liver Cancers. H. Lee Moffit Cancer Center, Tampa, USA. 2008

The Role of the R&D Radiation Therapist in Investigator Initiated Studies. Lunch and Learn for the Clinical Research Support Unit, Princess Margaret Hospital, Toronto. 2008

**Fyles, Anthony**

Current Status of Hypoxia and Targeting Tumour Cell Signaling and Microenvironment, Canadian Association of Radiation Oncologists Annual Meeting. Montreal. 2008

**Gillies, Carol**

Results of a Radiation Therapist Opinion Survey Identifying, Measuring and Addressing Radiation Therapy Patient Supportive Care Needs. CHSS Health Services Sciences Symposium, Sunnybrook Health Sciences Centre, Toronto. 2008

**Gospodarowicz, Mary**

Prognostic Factors in Cancer. International Union for Cancer Control, World Cancer Congress, Geneva, Switzerland. 2008

Case Presentations in Hodgkin's Disease. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Diffuse Large B-cell Lymphoma – Refresher Course. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Masters in Radiation Oncology. American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

The Role of Radiotherapy in Localized MZL. Danish Lymphoma Group 11th Plenary Meeting, Copenhagen. 2008

RT Role in the Treatment of MZL. Marginal Zone B-Cell Lymphomas: A reappraisal, Bolzano, Italy. 2008

International Collaboration for Cancer Control. International Seminar on Breast Cancer: Challenges and Responses, Mexico City, Mexico. 2008

Survivorship in Cancer. Importance of international collaboration. Workshop on survivorship in Hodgkin lymphoma, Rockefeller Foundation Grant, Bellagio, Italy. 2008

Economics of Radiation Oncology. International Conference on Advances in Radiation Oncology, International Atomic Energy Agency, Vienna, Italy. 2009

International Atomic Energy Agency – IAEA, Vienna, Austria. 2009

Testicular Cancer Survivorship: An overview. International Testicular Cancer Survivor Study Workshop, Rochester, New York. 2009

Cancer Staging and Prognosis – Basic Concepts in Cancer Control, Education, and Practice (presentation sent via CD). WHO/IAEA Coordination and Planning Meeting, Cairo, Egypt. 2009

The Role of Radiation Oncology Training Within Comprehensive Cancer Management. WHO/IAEA Coordination and Planning Meeting, Vienna, Austria. 2009.

Cancer Staging and Prognosis – Basic Concepts in Cancer Education and Practice. WHO/IAEA Coordination and Planning Meeting, Vienna, Austria. 2009.

**Harnett, Nicole**

What Comes First: Interprofessional practice or interprofessional education? Ottawa International Conference on Clinical Competence, Melbourne Australia. 2008

Clinical Impact of Clinical Specialist Radiation Therapist (CSRT) for Patients Requiring Palliative Radiotherapy. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Does Interprofessional Educational (IPE) Reduce the Stress of Interprofessional Practice in Times of Rapid Technological Advance? Toronto Radiation Medicine Conference, Toronto. 2009

Learning about Image-Guided Radiation Therapy (IGRT): Does an interprofessional educational (IPE) format lead to enhanced interprofessional practice? IPE Ontario 2009 Conference, Toronto. 2009

CSRT DIY: Practical tips for designing advanced practice positions workshop. Toronto Radiation Medicine Conference, Toronto. 2009

**Heaton, Robert**

The Evolution of Total Body Irradiation delivery at Princess Margaret Hospital. McGill University Health Centre, Montreal. 2008

**Higgins, Jane**

Radiation Therapists's Perceived Values in Conducting Research: Related challenges and opportunities. Toronto Radiation Medicine Conference. Old Mill, Toronto. 2009

Exploring PMH Radiation Therapists' Perceived Values in Conducting Research: Related challenges and opportunities. Canadian Association of Radiation Oncology Annual Meeting. 2008

Geometric Accuracy in Cone-Beam CT Guided Lung Radiotherapy – What Should we Match to? RT Research Symposium, The Michener Institute, Toronto. 2008

Is Daily Cone-Beam CT (CBCT) Image-Guidance Required to Correct Setup Error in Conventionally Fractionated Lung Radiotherapy? American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Frequency of Setup Errors Based on Daily Cone-Beam CT Imaging for Lung Patients Undergoing Conventionally Fractionated Radiotherapy. Canadian Association of Radiation Oncology Annual Meeting, Montreal, Canada, 2008

**Hodgson, David**

Age- and Sex- Specific Estimates of Cardiovascular Morbidity Following Modern Treatment for Hodgkin lymphoma: Increased risk in the doxorubicin era. Canadian Association of Radiation Oncologists Annual Meeting, Montreal. 2008

Cardiovascular Morbidity Following Modern Treatment for Hodgkin lymphoma: Age- and sex- specific estimates of risk in the Doxorubicin era. American Society of Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008



The Use of Radiation Therapy in the Radical Treatment of Rectal Cancer: A population-based study. Canadian Association of Radiation Oncologists Annual Meeting, Montreal. 2008

Utilizing Large Databases for Health Services Research: Considerations for design and implementation. Ontario Project Planning Meeting for Canadian Partnership Against Cancer Synoptic Reporting Tools Project for Ovarian Cancer Surgeries. Toronto. 2008

Learning from the Fat Man: Modeling radiation-related second cancer risk for clinical use. Workshop on Growth and Control of Tumors: Theory and Experiment. Fields Institute, Toronto. 2008

Redefining the Achievable: Adopting RT innovation in Ontario's cancer care system. Clinical Epidemiology Rounds, St. Michael's Hospital, Toronto. 2008

Cardiac Screening Among Hodgkin lymphoma Survivors. Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering cancer in our lifetime, Toronto. 2008

Darwin's Dilemma: Using observational studies to develop innovative cancer treatment and understand cancer biology. Radiation Oncology Rounds, Vancouver Cancer Centre, Vancouver. 2009

Innovations in Radiation Therapy for Childhood Brain Tumours. b.r.a.i.n.child Foundation Educational Event. Toronto. 2008

In Spite of the High Cost of Living: Improving functional outcomes after sarcoma treatment. First Annual Sarcoma Awareness Day, Liddy Shriver Sarcoma Initiative, Hospital for Sick Children, Toronto. 2008

**Hope, Andrew**

Models of Lung and CNS Injury Using Modern Small Animal Conformal RT, FOREM, St. Louis, USA. 2008

Medical Imaging and Radiation Oncology: Targeting a cure, Fields Institute, Toronto. 2009

Outcomes Research in Lung Cancer, Maastricht University, Maastricht, Netherlands. 2009

**Huang, Sophie**

Patterns of Care in Elderly Head and Neck Cancer Patients: The recent PMH experience. International Conference on Innovative Approaches in Head & Neck Oncology, Barcelona, Spain. 2009

**Jaffray, David**

Moderator Small Animal IGRT: Systems and studies. American Association of Physicists in Medicine, Houston, Texas, USA. 2008

Quantitative Oncology Workshop, Field's Institute, Toronto. 2008

QA for Advancement Technologies in US and Canada. Sino-American Network for Therapeutic Radiology and Oncology, Beijing, China. 2008

MR @ GE Technology, GE Healthcare Medical Advisory Board Conference, Chicago, USA. 2008

Investigators of Performance and Application of the Perfection Unit, American Society for Therapeutic Radiology and Oncology / European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Investigations of Performances and Applications of the Perfection Unit. European Society for Therapeutic Radiology and Oncology-Elekta users meeting. Göteborg, Sweden. 2008

A Relocatable Frame for use with the Perfection Unit. European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Technological Advances in Imaging Research, SIT workshop. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Image Guided Radiation Therapy: 4D treatment approaches. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston. 2008

Chair, Introduction and Closing remarks, Imaging Network Ontario, University of Toronto, Toronto. 2008

Centre for Addiction and Mental Health. Spatio-Temporal Targeting and Amplification of Radiation Response (STTARR), Toronto. 2008

Physics Seminar Series, Chair Technology Session. The 8th Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering cancer in our lifetime, Toronto. 2008

Imaging Applications in Prostate Cancer. Canadian Institutes of Health Research - Ontario Institute of Cancer Research-Imaging Pipeline Platform, London Regional Cancer Centre, London. 2008

Imaging for Real Time Monitoring. Radiological Society of North America, Chicago, USA. 2008

Advances in Medical Imaging applied to Radiotherapy. International Atomic Energy Agency, Trieste, Italy. 2009

Performance and Technical Advances in Cone-Beam CT for Therapy Guidance, The South African Society of Medical Oncology, The South African Society of Clinical and Radiation Oncologists, Cape Town, South Africa. 2009

Application of IGRT in Radiation Therapy Practice. South African Society of Medical Oncology, South African Society of Clinical and Radiation Oncology, Cape Town, South Africa. 2009

Preclinical Imaging. PMH Phase I Consortium Biomarkers-Imaging-Biostatistics.Think-Tank Meeting Invitation, Kingsbridge. 2009

Nano-Modulated Radiation Therapy using Gold NPsICTR. Third International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland. 2009

The Physics of Imaging and Radiotherapy. International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland. 2009

**Keller, Harald**

Association of Texture Features to Structure and Function in a Simple Tumor Model and Potential Application to Treatment Response Monitoring using FDG-PET. American Association of Physicists in Medicine Annual Meeting, Houston USA. 2008

**Kelly, Valerie**

Mentorship and Radiation Therapy, Toronto Michener Institute, Toronto. 2008

Sex, Gender and Radiotherapy. Women's College Research Institute, University of Toronto Graduate Student Research Day, Toronto, Canada. 2008

**Kim, John**

Larynx and Nasopharynx Cancers. Radiation Therapy student lecture, The Michener Institute, University of Toronto, Toronto. 2008

Preparations for Treatment Planning and Delivery: A radiation oncologist's perspective. IMRT Course, Princess Margaret Hospital, Toronto. 2008

IMRT and IGRT in the Management of Head and Neck Cancer. Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Image Guided Radiation Therapy in Head and Neck Cancer. Princess Margaret Hospital, Toronto. 2008

Altered Fractionation in Head and Neck Radiotherapy. Sudbury Regional Hospital, North East Regional Cancer Program, Sudbury. 2009

The Multi-Disciplinary Approach to Rectal Cancer Management: Radiation oncology perspective. St. Michael's Hospital GI Oncology Program Evening, Toronto. 2009

**Koch, Christine Anne**

Genetic Polymorphisms and Radiation Sensitivity in Breast Cancer Patients. Canadian Breast Cancer Research Alliance Reasons for Hope Conference, Vancouver. 2008

**Lapperriere, Normand**

Reirradiation for Recurrent Meningiomas: Outcomes and complications. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

**Letourneau, Daniel**

Adapting Technology to Palliative Radiotherapy - the CBCT story. Juravinski Cancer Center. Conference on research in radiation oncology, Hamilton Health Sciences, Hamilton. 2008

Novel Dosimetric System for Volumetric Modulated Arc Therapy. Sun Nuclear Corporation QA Symposium, Orlando, USA. 2009

Online Planning and Delivery Technique for Radiotherapy of Spinal Metastases. Palliative rounds at the Odette Cancer Center, Toronto. 2009

**Levin, Wilfred**

Bone Metastases Grid - Coping with Multiple Previous Treatment Fields in a Technological Age. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Living Well with Long Term/Late Effects-Awareness and Interventions. Canadian Cancer Society, Surviving Cancer and Living Well. Toronto. 2008

Palliative Radiotherapy – How to Cope with Multiple Previous Treatment Volumes in the Electronic Age. Canadian Association of Radiation Oncology Annual Meeting, Quebec. 2008

Adult Radiation Late Effects Clinic – A Clinic Dedicated to the Management of Patients with Complications of Radiation Therapy. PREVENT Conference, Brussels, Belgium. 2009

Proposal for Integration of Neoadjuvant Chemoradiation in Primary Management. Gynaecology Site Group Retreat, Vaughan Estates, Toronto. 2009

Radiation Late Effects and the Plastic Surgeon – Plastic Surgery Resident Program. Hospital for Sick Children, Toronto. 2009

**Liu, Fei-Fei**

The emerging entity of HPV in HNSCC. Invited speaker at Dalhousie University, Department of Virology, Halifax. 2008

HTS for Radio-Sensitizers. Molecular Radiation Therapeutics Branch, NCI-US, Bethesda, USA. 2008

Translational Research in Head & Neck Cancers. Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Micro-RNAs in Head & Neck Cancer. Institute of Biochemistry and Molecular Biology, University of Waterloo, Waterloo. 2009

Regulation of Polycomb Gene Expression by Micro-RNAs. International Symposium on Nasopharyngeal Carcinoma, Marrakech, Morocco. 2009

**Loblaw, Andrew**

Active Surveillance for Prostate Cancer and the Role of Bionutrients in Disease Stabilization. Oncology Grand Rounds, Odette Cancer Centre / Sunnybrook Health Sciences Centre, Toronto. 2009

**Mah, Katherine**

Advances in CT and PET Imaging for Radiation Treatment Planning, American Society of Therapeutic Radiology and Oncology Annual Meeting, Quebec City. 2008

Automatic Definition of Radiation Targets using Textural Characteristics of both CO-Registered PET and CT Images. American Association of Physicists in Medicine Annual Meeting, Houston USA. 2008

Tirona Observer Variability in Radiotherapy Targeting of Head and Neck Tumors: Can PET-CT reduce the variability? Society of Nuclear Medicine Annual Meeting, New Orleans, USA. 2008

FDG PET/CT Based Feature Analysis of Head and Neck Cancer for Radiation Targeting. Society of Nuclear Medicine Annual Meeting, New Orleans, USA. 2008

Co-registered Multi-modality Pattern Analysis Segmentation System (COMPASS) for Radiation Targeting of Head and Neck Cancer Using FDG PET/CT. The Canadian Organization of Medical Physicists Annual Scientific Meeting, Victoria. 2009

A Maximum Likelihood/ Simulated Annealing-based Validation Method for Tumor Segmentation Techniques. The Canadian Organization of Medical Physicists Annual Scientific Meeting, Victoria. 2009

**Manchul, Lee**

Needs Assessment in Interprofessional Education. IPE Faculty Development Program, Centre for Faculty Development, University of Toronto and St. Michael's Hospital, University of Toronto Conference Centre, Toronto. 2008

The Development and Testing of an Instrument to Measure Faculty Development Needs of Clinician-Educators. RIME oral abstract presentation, Association of American Medical Colleges meeting, San Antonio, USA. 2008

Forming Academic Identity: Mentoring faculty in the rules of the academic game. RIME oral abstract presentation, Association of American Medical Colleges meeting, San Antonio, USA. 2008

Developing Self Assessment Programs. Royal College of Physicians and Surgeons of Canada Accredited Providers Meeting. Ottawa. 2008

**McGowan, Thomas**

Radiation Oncology in a Paperless Environment. Varian Medical Systems, Winnipeg. 2009

A Discussion on the DART/NCICCTG PR.12 Study (Neoadjuvant Docetaxel and Androgen Suppression Plus Radiation Therapy vs Androgen Suppression Alone Plus Radiation Therapy for High Risk Localized Adenocarcinoma of the Prostate). Sanofi-Aventis, Department of Medical and Radiation Oncology and Department of Urology, Credit Valley Hospital. Toronto. 2008

Topics in Prostate Cancer Management from the Perspective of Radiation Oncology. Presented to physicians and other medical personnel, Credit Valley Hospital. Toronto. 2009

**Ménard, Cynthia**

Radiotherapy for Local Salvage – Exploring the role of MRI. National Institute of Health – National Cancer Institute of Canada – National Institute of Biomedical Imaging and BioEngineering Workshop on Prostate Cancer Imaging. Washington USA. 2008

Evaluation of Organ Motion with MRI – Relevance to Radiotherapy. General Electric Medical Advisory Board. Chicago, USA. 2008

Image-Guidance in Prostate Brachytherapy. American Society for Therapeutic Radiology and Oncology Annual Meeting: Refresher Course, Boston. USA. 2008

Perfection in Radiation Oncology. American Society for Therapeutic Radiology and Oncology Annual Meeting: Elekta User's Meeting. Boston USA. 2008

Augmenting the Radiotherapeutic Management of Prostate Cancer Using MRI. American Society for Therapeutic Radiology and Oncology Annual Meeting: GE Symposium, Boston, USA. 2008

MRI-Guided Biopsy and Brachytherapy of the Prostate. Imaging Network Ontario, Imaging Symposium, University of Toronto, Toronto. 2008

MRI in Radiotherapy: Opportunities for research. American Society for Therapeutic Radiology and Oncology: Translational Advances in Radiation Oncology and Cancer Imaging Symposium. Arlington, USA. 2008

Interventional MRI to Augment Radiotherapy in Prostate Cancer. Imaging Applications in Prostate Cancer Workshop. London. 2008

Precision and Accuracy of MRI-Guided Therapeutics. Downtown Imaging Physics Seminar, Toronto. 2009

**Milosevic, Michael**

Vascular, Interstitial Fluid and Oxygen Dynamics in Tumors: Clinical implications. Workshop on New Developments in Molecular Imaging for Translational Research and Clinical Applications, OncoRay – Center for Radiation Research in Oncology, Dresden, Germany. 2008

Angiogenesis, Interstitial Fluid Dynamics and Hypoxia in Tumors. Workshop on Growth and Control of Tumors: Theory and experiments, Field's Centre for Mathematical Medicine, Toronto. 2008

Improving the Effectiveness of Radiation and Chemotherapy: Molecular targeting of angiogenesis and hypoxia in human tumors. Vanderbilt Integrative Cancer Biology Center Workshop, Mathematical Oncology, Through the Mathematical Looking Glass, Toronto. 2008

Imaging Tumor Vasculature and Hypoxia in Radiation Oncology. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Angiogenesis and Hypoxia in Prostate Cancer: Relevance to radiotherapy and biological treatment targeting. Royal Australian and New Zealand College of Radiologists Annual Meeting, Adelaide, Australia. 2008

Individualized Adaptive Radiotherapy: The next frontier in radiation medicine? Royal Australian and New Zealand College of Radiologists Annual Meeting, Adelaide, Australia, 2008

Contouring for Post-Prostatectomy Radiotherapy. Keynote International Speaker 59th Annual Scientific Meeting of the Royal Australian and New Zealand College of Radiologists Adelaide, Australia. 2008

Radiation Oncology in Canada: Annual Canadian Association of Radiation Oncology Workload and Staffing Survey. Meeting of the National Specialty Societies of Canada with the Royal College of Physician and Surgeons of Canadian, Toronto. 2008

Concurrent Radio- and Chemotherapy for Cervix Cancer: Selective benefit of cisplatin in patients with high initial interstitial fluid pressure (IFP). 4th International Conference on Translational Research and Pre-Clinical Strategies in Radiation Oncology, Geneva, Switzerland. 2009

Advances in the Treatment of Kidney Cancer: A new look at radiation therapy. Kidney Cancer Canada, Toronto. 2008

Hypoxia and Angiogenesis in Cervix Cancer: Opportunities and challenges. Radiation Oncology Research Rounds, Odette Cancer Centre, Toronto. 2008

**Moline, Karen**

Interprofessional Collaboration Session for Therapy Students. Spiritual Care Workshop, Odette Cancer Centre, Toronto. 2009

**Morton, Gerard**

Timing of Androgen Deprivation as Salvage Treatment. Radiotherapy Group of New South Wales, Sydney, Australia. 2008

Invited speaker, Australasian Brachytherapy Group, Sydney, Australia. 2008

Prostate Brachytherapy: Reducing the therapeutic ratio. Opening address at the 30th Annual Meeting of the American Brachytherapy Society, Toronto. 2009

Prostate High Dose-Rate Brachytherapy: A hands-on workshop. 30th Annual Meeting of the American Brachytherapy Society, Toronto. 2009

**Moseley, Douglas**

Conference on the Effective use of High Performance Workstations in Scientific Computing. Fields Institute Research in Mathematical Science, Toronto. 2008

User Interfaces for Visualizing Complex Data. Workshop presented at the International Conference hosted by the IBM Centers for Advanced Studies (CASCON), workshop, Toronto. 2008

Modern Radiation Therapy: Image is everything. Fields workshop, University of Toronto, Toronto. 2008

Presenter, Regional Cancer Program Open House, Southlake Regional Health Centre, Toronto. 2008

The Technology of Radiation Therapy. Cancer Education Series, Southlake Regional Health Centre, Toronto. 2009

Introduction to Radiation Therapy. Volunteer Workshop, Southlake Regional Health Centre, Toronto. 2009

**Nyhof-Young, Joyce**

Clothing for Lymphedema, Chicagoland Lymphedema Network, North Shore University Health System, Rehabilitation Services, Lymphedema Center, Glenview, USA. 2008

Empowering Breast Cancer Patients: With, through and beyond. Invited Public Lecture to Learning Unlimited Etobicoke, Medical Fall Series, Etobicoke. 2008

Simulating Clinical Electives for Undergraduate Medical Students: The Virtual Experience in Radiation Oncology (VERO). Health Professions Education: Global Best Practices in Simulation, Toronto. 2009

Empowering Breast Cancer Patients Through Medical Student Research: The DOCH2 approach. Princess Margaret Hospital, Clinical Breast Rounds, Toronto. 2009

Career Panelist, Canadian Medical Hall of Fame Discovery Day in Health Sciences, University of Toronto, Toronto. 2009

Survivorship – Empowering breast cancer survivors with, through, and beyond. Updates in Oncology, Regional Cancer Program, Barrie. 2009



Chaplaincy and DOCH2: A great opportunity for applied research and program development! UHN Chaplaincy, Toronto. 2009

**Osmar, Kari**

A Competency Based Orientation Program. Toronto Radiation Medicine Conference, Toronto. 2009

Using Small Group Discussion to Investigate Caring in Light of Technology Change in Radiation Therapy with Radiation Therapists. Engaging Reflection Conference, London, Ontario. 2009

An Introduction to Radiation Therapy. Oncology Nursing Day, York Central Hospital, Toronto. 2009

**O'Sullivan, Brian**

Radiation Medicine Quality Standards for Head and Neck Oncology. International Head and Neck Cancer Conference, San Francisco, USA. 2008

Early Laryngeal Cancer: Introduction, disease description and management approaches. International Head and Neck Cancer Conference, San Francisco, USA. 2008

Does Genetic and Molecular Information Trump Anatomic Disease Extent? Symposium on cancer classification, staging and prognosis at International Union for Cancer Control, World Cancer Congress 2008, Geneva, Switzerland. 2008

What is the Standard of Care for Unresected Locally Advanced HNSCC? Radiotherapy and a targeted agent with or without chemotherapy? European Society of Radiation Oncology Annual Meeting, Göteborg, Sweden. 2008

How to Give a Talk. Annual Scientific Seminar of the Association of Residents In Radiation Oncology. American Society of Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Education Course: Nasopharynx Cancer. American Society of Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Challenges in Realising the Benefits of Targeted Treatment for Head and Neck Cancer. Saint Lukes Hospital visiting professor lecture, Dublin, Ireland. 2008

NPC: Head and neck's most unusual mucosal cancer. Saint Lukes Hospital visiting professor lecture, Dublin, Ireland. 2008

Radiotherapy: Why, when & how? Symposium on Multiple Disciplines in Sarcoma Management, Annual Scientific Meeting of the Faculty of Radiologists, Royal College of Surgeons in Ireland, Dublin, Ireland. 2008

An Introduction to IMRT in Head & Neck Cancer in Symposium on New Technology in Radiation Oncology. Annual Scientific Meeting of the Faculty of Radiologists, Royal College of Surgeons in Ireland, Dublin, Ireland. 2008

The Honorary Fellow's Lecture to the Faculty of Radiologists: Diagnostic & therapeutic radiology in the multidisciplinary management of soft tissue sarcomas. Annual Scientific Meeting of the Faculty of Radiologists, Royal College of Surgeons in Ireland, Dublin, Ireland. 2008

Current Approaches to the Treatment of Soft Tissue Sarcoma. Brazilian Society of Radiation Oncology Annual Meeting, Recife, Brazil. 2008

Treatment of Primary and Recurrent Tumors of the Nasopharynx. Brazilian Society of Radiation Oncology Annual Meeting, Recife, Brazil. 2008

Impact of IMRT in the Treatment of Head and Neck Tumors. Brazilian Society of Radiation Oncology Annual Meeting, Recife, Brazil. 2008

Nasopharyngeal Cancer: State of the art. Cancer 2008:XVII Congreso Colombiano de Cancerología, Cali, Colombia. 2008

Multidisciplinary Management of Head and Neck Cancer. Panel discussant, Cancer 2008:XVII Congreso Colombiano de Cancerología, Cali, Colombia. 2008

Interdisciplinary Management of Soft Tissue Sarcoma. Cancer 2008:XVII Congreso Colombiano de Cancerología, Cali, Colombia. 2008

Radiotherapy of Sarcoma. Invited Discussant, Connective Tissue Oncology Society Annual Meeting, London, United Kingdom. 2008

Lessons Learnt from Experience of Conducting Clinical Trials – How to ensure successful completion and quality control. Scientific Symposium on Clinical Trials for Nasopharyngeal Cancer - The Hong Kong Nasopharyngeal Cancer Study Group and Central Coordination Committee (Clinical Oncology) Hospital Authority, Hong Kong. 2008

Developments in Radiation Therapy for Sarcoma. British Sarcoma Group Conference, Marriott Hotel, Glasgow, Scotland. 2009

Pre-operative and Innovative Radiotherapeutic Strategies for Retroperitoneal Sarcoma. American Society of Clinical Oncology Educational Session Retroperitoneal Sarcoma: Surgery and Beyond. American Society of Clinical Oncology Annual Scientific Meeting, Orlando, USA. 2009

Benefits and Challenges of Multi-modality Approaches in the Management of Head & Neck Cancer. Head And Neck Session: Target Insight III, University of Toronto, Department of Radiation Oncology, Toronto. 2009

Molecular Targeting of NPC with Monoclonals and Small Molecules: Challenges, rationale, and present status. International Symposium on Nasopharyngeal Carcinoma, Atlas Marrakech Hotel, Marrakech, Morocco. 2009

**Palmer, Cathryne**

Getting Grounded: An introduction to qualitative research. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Clinical Remediation Processes and Strategies for Supporting Radiation. Therapy Student Success, Radiotherapy in Practice 4 Conference, Sheffield, United Kingdom. 2008

Electronic Portal Imaging Using Cherenkov Radiation. SPIE Conference on Physics of Medical Imaging, San Diego USA. 2008

Just-in-time Tomography. Canadian Organization of Medical Physicists Annual General Meeting, Quebec. 2008

**Paszat, Lawrence**

A Case-control Study of Mammography Screening Among Women Under Age 50. Union International Contre le Cancer, Geneve, Suisse. 2008

Biomarkers of Gastric Cancer Risk and Vaccine Targets, Clinical Epidemiology / Institute for Clinical Evaluative Sciences Rounds, Toronto. 2009

Modifiable Aspects of Radiotherapy for Breast Cancer Associated with Increased Risk of Myocardial Infarction: A study of the entire population of women who received radiotherapy for breast cancer in Ontario (Canada) 1982 – 1988, PREVENT conference. European Society for Radiotherapy and Oncology, Bruxelles, Belgique. 2009

**Pignol, Jean-Philippe**

Curietherapie and Implants in the Treatment of the Elderly with Breast Cancer. Meeting of the International Society of Geriatric Oncology, Montreal. 2008

**Poon, Ian**

Pilot Study to Assess Intra-Treatment FDG-PET Parameters that Predict for Loco Regional Control in Advanced Head and Neck Cancer Treated with Chemoradiation. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

**Ringash, Jolie**

American Society for Therapeutic Radiation and Oncology Intestinal Cancers Symposium, Orlando, USA. 2008

Minimal Important Difference: Can we generalize? PROBE Kick-off Meeting, European Organization for Research and Treatment of Cancer Quality of Life Committee, Brussels, Belgium. 2008

The NCIC-CTG QOL Committee. PROBE meeting, European Organization for Research and Treatment of Cancer Quality of Life Committee, Brussels, Belgium. 2008

Case Study #2: SR.2. National Cancer Institute of Canada Clinical Trials Group, Quality of Life Committee Educational Workshop, Toronto. 2008

Quality of Life in the Era of Chemoradiation. Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering Cancer in our Lifetime, Toronto. 2008

Oral Cancer: Long-term toxicity and quality of life. Panelist: Treatment Morbidities and Survivorship. International Academy of Oral Oncology, World Congress, Toronto. 2009

Quality of Life Measurement in NCIC-CTG Clinical Trials. National Cancer Institute of Canada – Clinical Trials Group annual spring meeting, Clinical Research Associate Lecture, Toronto. 2009

**Rowlands, John**

Noise, Quantum noise and Psychophysics: Their role in medical imaging. University of Toronto, Mississauga. 2008

X-ray integrated along/within MRI. Society for Cardiovascular Magnetic Resonance Annual Scientific Session, Orlando, USA. 2009

Low Cost X-Ray Technology, Genesys Capital, Toronto Technology Access Partnership, Toronto. 2009

**Sahgal, Arjun**

Stereotactic Body Radiotherapy (SBRT) for Spinous Metastases: Preliminary experience at the University of California, San Francisco. Canadian Association of Radiosurgery, Mt. Tremblant. 2008

Preliminary Guidelines for Avoidance of Radiation Induced Myelopathy Following Spine Stereotactic Body Radiosurgery (SBRS). Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Preliminary Guidelines for Avoidance of Radiation Induced Myelopathy Following Spine Stereotactic Body Radiosurgery (SBRS). American Society of Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Stereotactic radiotherapy for juxtapapillary choroidal melanoma 3 year follow-up. American Radium Society, Vancouver. 2009

The treatment of radiation induced myelopathy with hyperbaric oxygen. American Radium Society, Vancouver. 2009

Spinous Stereotactic Body Radiosurgery (SBRT): How, when and the risk, and current concepts in the molecular aspects of radiation induced myelopathy. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Spinal Cord Tolerance Following Spine Radiosurgery. American Society of Therapeutic Radiology and Oncology Annual Meeting: Spine Radiosurgery Workshop, Boston., USA. 2008

Radiation Myelopathy Following Hyperbaric Oxygen. Toronto Hyperbaric Medicine Symposium. University of Toronto, Toronto. 2008

Radiosurgery of the Spine and Radiation Tolerance of the Spinal Cord. E. Harry Botterell Lectureship in Neurosurgery., The Toronto Western Hospital, University of Toronto. 2008

Technologies for Spine Mets: Does more pain mean more dose? The Science and Art of Pain and Symptom Management, Annual Conference, University of Toronto, Toronto. 2008

Spinal Radiosurgery- Update and proposal for a new clinical trial. University of Toronto City-wide neuro-oncology rounds. Toronto. 2008

Stereotactic Body Radiotherapy for Spinal Metastases. Division of Rheumatology and Orthopedics Grand Rounds. University of Toronto, Toronto. 2009

Inter and Intrafractional Motion for Spine Stereotactic Body Radiotherapy and the Dosimetric Impact. International Symposium on Stereotactic Body Radiation Therapy and Stereotactic Radiosurgery. Orlando, USA. 2009

Is Radiation the Best Treatment for Anaplastic Oligodendroglioma or Does it Just Melt Brains. Division of Neurology, J.C. Richardson Neurology Subspecialty Day, University of Toronto, Toronto. 2009

The Multidisciplinary Management of Spinal Metastases. Kyphon Bolloon Kyphoplasty Clinical Update Symposium, Toronto. 2009

Stereotactic Body Radiotherapy for Spinal Metastases. St. Michael's Hospital Neurosciences Grand Rounds, University of Toronto. 2009

Overview of What is New in Nonsurgical Treatment of Metastatic Spinal Disease-When to consider radiosurgery. Annual Canadian Contemporary Spinal Techniques Course, University of Toronto. 2009

**Sharpe, Michael**

Implementing IMRT in Clinical Practice. American Society for Therapeutic Radiology and Oncology Practicum, Orlando, USA. 2008

IGRT Practicum. American Society for Therapeutic Radiology and Oncology, Newport, USA. 2008

Experience, Opportunities, and Challenges with Advanced Radiation Therapy Technologies. Know the Difference Symposium, Elekta Oncology Systems, London and Leeds, United Kingdom. 2008

Experience with IGRT Research, Development, and Clinical Implementation. American Association of Physicists in Medicine Annual Meeting, Houston, USA. 2008

Target Localization Systems for Radiation Therapy Treatment, A Continuing Education Symposium at the American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston, USA. 2008

Advances in Technology. American Society for Radiation Oncology, Chandler, USA. 2009

**Sheikh, Aisha**

Conflict in Professional Life. An IPE Ethics Seminar/Workshop for Third Year Medical Students, Final Year Nursing and Social Work Students, Office of Interprofessional Education, Faculty of Medicine, University of Toronto, Toronto. 2008

**Siewerdsen, Jeffrey**

Cone-Beam CT for Image-Guided Interventions, Medical Image Computing and Computer Assisted Intervention Society, International Symposium, London, UK. 2009

C-Arm Volumetric CT in Interventional Procedures: The physics perspective. American Association of Physicists in Medicine, Annual Meeting, Anaheim, USA. 2009

Imaging and Guidance for Minimally Invasive Therapies. American Association of Physicists in Medicine Annual Meeting, Anaheim, USA. 2009

Image Quality and Image Processing: A Categorical review for the research and clinical medical physicist, Annual Meeting of the American Association of Physicists in Medicine, Anaheim, USA. 2009

Image-Guided Interventions. Imaging Network Ontario, Toronto. 2008

Image Quality in Flat-Panel Detector CT, Categorical Course on CT and MRI. 2008 Meeting of the Radiological Society of North America, Chicago, USA. 2008

Multi-Modality and Multi-Dimensional Imaging. American Association of Physicists in Medicine Annual Meeting, Houston, USA. 2008

Image-Guided Interventions: From fundamentals to new frontiers. The American Association of Physicists in Medicine Annual Meeting, Houston USA. 2008

**Sinclair, Emily**

Minimally Invasive Surgical Procedures for Palliative Bone Metastases. Humber Annual Provincial Conference on Palliative and End of Life Care, Toronto. 2009

How to Recommend which Minimally Invasive Surgical Procedures for Bone Metastases Patients. Bonus 4 Conference, Princess Margaret Hospital, Toronto. 2009

**Spayne, Jacqueline**

Indications for Resection or Ablation of Metastases in Lung Cancer. Lung Rounds, Odette Cancer Centre, Toronto. 2008

Grand Rounds Presentation; Advanced Cancer – Advanced Care; An overview of the locally advanced breast cancer program. Grand Rounds Presentation, Sunnybrook Health Sciences Centre, Odette Cancer Centre, Toronto. 2008

**Sun, Alex**

Clinical Trials Education and Recruitment Committee (CTER) presentation. Radiation Therapy Oncology Group – National Cancer Institute/National Institutes of Health Grant Renewal Site Visit, Bethesda, USA. 2008

**Szumacher, Ewa**

Effectiveness of Educational Intervention on the Congruence of Prostate and Rectal Contouring as Compared to a Gold Standard in Three-Dimensional Radiotherapy for Prostate Cancer. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008

Canadian Patterns of Practice in Adjuvant Radiotherapy for Elderly Women with Stage 1 Breast Cancer. 31st Annual San Antonio Breast Cancer Symposium, San Antonio, USA. 2008

Phase II Clinical Trial of Single Fraction High Dose-Rate Brachytherapy and Hypofractionated External Beam Radiotherapy – Men with Intermediate Risk Carcinoma of the Prostate. American Society of Clinical Oncology GU Meeting, Orlando, USA. 2009

Canadian Patterns of Practice in Adjuvant Radiotherapy for Elderly Women with Stage I Breast Cancer. Annual San Antonio Breast Cancer Symposium, San Antonio, USA. 2008

Survival of Off Protocol Patients Treated with Radiosurgery for Recurrent Brain Metastases: An intent to treat analysis. UK Research Office Conference, Cardiff, Wales. 2009

Collaborating Across Borders: Building bridges between interprofessional education & practice through continuing education in academic cancer centre. Clinical and Scientific rounds (R-3) and Interprofessional Radiation Oncology Rounds, Association for Medical Education in Europe, Malaga, Spain. 2009

Collaborating Across Borders: Building bridges between interprofessional education & practice through continuing education in academic cancer centre. Clinical and Scientific rounds (R-3) and Interprofessional Radiation Oncology rounds, American Society for Therapeutic Radiology and Oncology, Chicago, USA. 2009

**Thomas, Gillian**

Neoadjuvant Treatment in Cervical Cancer. European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Combination Treatment in Cervical Cancer. European Society for Therapeutic Radiology and Oncology, Göteborg, Sweden. 2008

Concurrent Chemo- Radiation in Gynaecologic Cancers, Presidential Symposium: Clinical Applications of Platinum Based Chemo-Radiation: Selection, Sequencing and Scheduling. American Society for Therapeutic Radiology and Oncology Annual Meeting, Boston USA. 2008

Advances in Chemoradiation and Chemotherapy, Presidential Focused Course in Cervical Cancer. International Gynecologic Cancer Society Biennial Meeting, Bangkok, Thailand. 2008

Adjuvant Radiotherapy in Cervical Cancer: RT alone or concurrent chemo radiation? International Gynecologic Cancer Society Biennial Meeting, Bangkok, Thailand. 2008

Adjuvant Radiation in Endometrial Cancer: When, why, and how? International Gynecologic Cancer Society Biennial Meeting, Bangkok, Thailand. 2008

Fellows / Junior Gynecologic Oncologists Teaching Course, International Gynecologic Cancer Society Biennial Meeting, Bangkok, Thailand. 2008

Endometrial Cancer: Role of adjuvant radiotherapy vs chemotherapy. British Gynecology Cancer Society, Liverpool, UK. 2008

Risk Based Management of Early Endometrial Cancer. University of Hong Kong Hospital, Hong Kong. 2009

Treatment of Cervical Cancer: Past, present and future. Obstetrics and Gynecological Society of Hong Kong, Hong Kong. 2009

Case Presentation and Expert Discussion FIGO 2B: Which patients are suitable for surgery and which patients should receive radiotherapy? European Congress: Perspectives in Gynecologic Oncology, Nice, France. 2009

Cisplatin /Paclitaxel is the Treatment of Choice for Recurrent, Metastatic Carcinoma of Cervix. Con Position. Sixth International Symposium on Ovarian cancer and other Gynecologic Malignancies, New York, USA. 2009

**Tsang, Richard**

Stage IE and IIE Extranodal MALT Lymphomas: Outcome following radiotherapy. The first Symposium of Sino-American Network for Therapeutic Radiology and Oncology, Chinese Society of Therapeutic Radiology and Oncology Symposium proceedings. Grand Epoch City, Beijing. 2008

**Ung, Yee**

Adjuvant Radiotherapy for Gastric Cancer: The geometric challenge. Canadian Association of Radiation Oncology Annual Meeting, Montreal. 2008



Defining the Appropriate PET Intensity Threshold and CT Threshold for Target Delineation in Early Stage Non-Small Cell Lung Cancer: a radiological and pathological correlation study. American Society for Therapeutic Radiology and Oncology, Boston, USA. 2008

The Challenge of Lung Cancer Treatment. Philips Meeting, Boston, USA. 2008

Lung Cancer in the North American Chinese: Smoking is not the only cause! 14th International Conference on Health Care of the Chinese in North America: Emerging Health Issues Among North American Chinese, Toronto. 2008

Evidence Based Role for PET CT in Lung Cancer: The Ontario Experience. Atlantic Clinical Oncology Group (ACOG) Meeting, Charlottetown. 2009

The Role of PET in Lung Cancer. Visiting Speakers Program, McGill University, Montreal. 2009

PET in Lung Cancer, Target Insight Meeting, Toronto. 2009

**Vesprini, Danny**

PET/CT in Radiotherapy Planning of Esophageal Cancer. Ontario Thoracic Cancer Conference, Niagara-on-the-lake. 2009

**Vines, Douglass**

PET/CT Research in Radiation Oncology at PMH. GE Healthcare Multi-Modality Educational Symposium, Halifax. 2008

**Vitkin, Alex**

Polarized Light Assessment of Biological Tissues Using Mueller Matrix Decomposition, European Conference on Biomedical Optics, Munich, Germany, 2009

High-Resolution Structural and Functional Imaging of Tissues with Doppler Optical Coherence Tomography, SAOT Clinical Biophotonics Workshop, Erlangen, Germany, 2009

Light in Biomedicine – The Basics, The Applications, The Challenges, Physics Lecture Series, University of Cyprus, Nicosia, Cyprus, 2009

Polarimetry in Turbid Media – Using Mueller Matrix Decomposition For Unique Feature Determination, East Carolina University, Physics Colloquium, Greenville, North Carolina, USA. 2009

Imaging Blood Flow in Tissues for Therapy Monitoring Applications, Brody School of Medicine, Greenville, NCarolina, USA. 2009

Biomedical Optics – Fundamentals and Applications, Waterloo Lecture Series in Medical Physics, Waterloo, Canada. 2009

Polarized Light Diagnostics in Turbid Media, Laser Applications in Life Sciences, Taipei, Taiwan. 2008

Optical Diagnostics in Biomedicine, SPIE Visiting Lectureship Series, National Taiwan University, Taipei, Taiwan. 2008

Using the Wave Nature of Light to Examine Tissues – Polarimetry and Optical Coherence Tomography, Clinical Photonics Rounds, Friedrich-Alexander Universität, Erlangen-Nürnberg, Germany. 2008

Progress in Polarization-Based Optical Diagnostic Technique, Center for Optics, Photonics, and Lasers rounds. Université Laval, Quebec City, Canada. 2008

High-Resolution Imaging of Tissue Microvasculature – Diagnostic, Therapeutic and Basic Science Applications, COMP Annual Conference, CCPM Biophotonics Symposium, Quebec City, Canada, 2008

Overview of Biophotonics, Diffusion-Wave Technologies seminar, Mechanical Engineering, Toronto, Canada. 2008

Polarized Light Assessment of Biological Tissues, Harvard Medical School / Mass General Hospital Photomedicine Rounds, Boston, USA. 2008

Microstructural and Microvascular Tissue Imaging with Doppler Optical Coherence Tomography, Lawson Imaging Institute, Medical Imaging Rounds, London, Canada. 2008

Light at the End of the Tunnel – Endoscopic Uses of Optical Coherence Tomography, University of Houston Biomedical Engineering seminar, Houston, USA. 2008

Making Therapies Less Blind – Real-Time Treatment Feedback with Doppler Optical Coherence Tomography, Image-Guided Therapeutics colloquium, University Health Network, Toronto, Canada. 2008

**Warde, Pdraig**

Seminoma: From more to less. Developments in Cancer Management: Conquering cancer in our lifetime. Princess Margaret Hospital Conference: Developments in Cancer Management: Conquering cancer in our lifetime, Toronto. 2008

Image-Guided Radiotherapy for Cancer. Highlights in Oncology. Centro di Riferimento Oncologico National Cancer Institute, Aviano, Italy. 2009

Prostate Cancer – Something Old, Something New. GU Rounds, London Regional Cancer Centre, London. 2009

**Wiljer, David**

Social Networking in Cancer Care: A new paradigm for CDM. International Union for Cancer Control, Geneva, Switzerland. 2008.

How Much is Too Much information? Understanding the impact of access to personal health information on breast cancer patients. Odette Cancer Centre, Oncology Grand Rounds, Toronto. 2008

Patient Access to Personal Health Information: Exploring the impact on self-efficacy and anxiety. COACH e-Health Conference 2009: Leadership in Action, Quebec City. 2009

From Information to Action: A new paradigm for health information. Masters Seminar for Consumer Health Informatics and Public Health Informatics MHI2003H: Health Policy Management and Evaluation, University of Toronto. 2009

One Patient, One Record. One day symposium to promote patient e-Health, The creation of InfoWell, Toronto. 2009

## **Awards 2008-2009**

### **UT DRO Faculty Education Awards**

Postgraduate Advocacy & Mentorship

**Eileen Rakovitch**

MRS Excellence in Research Supervision

**Caitlin Gillan**

MRS Excellence in Clinical Supervision

**Kulwinder Flora**

MRS Excellence in Classroom Teaching

**Terri Flood**

Postgraduate Classroom Teaching

**Stephen Breen**

Postgraduate Medical Education Excellence in Research Supervision

**Michael Milosevic**

MRS Excellence in Clinical Supervision

**Rhonda Gannon**

MRS Best Guest Lecture

**Rebecca Wong**

### **UT DRO Faculty Research Awards**

Sustained Excellence in Research

**Robert Bristow**

Outstanding Research Potential

**Arjun Sahgal**

Excellence in Research Leadership

**Rebecca Wong**

Best Annual Research Performance

**Gregory Czarnota**

## **Other Awards and Honours**

### **Toni Barnes**

- Cancer Care Ontario: Quality Award for the Rapid Response Radiotherapy Program, Odette Cancer Centre, Sunnybrook Hospital, 2008

### **Stephen L Breen**

- Third Place Prize for a Technologist Poster, Technologist Section of the Society of Nuclear Medicine, 2008

### **Robert Bristow**

- Excellence in Postgraduate Medical Education: Teaching Performance, Mentorship and Advocacy, Faculty of Medicine, University of Toronto, 2009

### **Angela Cashell**

- Beth Wastle Research Bursary, Ontario Association of Medical Radiation Technologists (OAMRT), 2008

### **Charles Catton**

- Radiation Oncology Research Productivity Award, Radiation Medicine Program, Princess Margaret Hospital, 2008

### **Edward Chow**

- Excellence in Research Leadership, Department of Radiation Oncology, University of Toronto, 2008
- Cummings Education Leadership Award, Department of Radiation Oncology, University of Toronto, 2008
- Quality Award to Rapid Response Radiotherapy Program by Cancer Care Ontario, Cancer Quality Council of Ontario and Canadian Cancer Society, 2008

### **James Chow**

- Dean's Fund, 2008

### **Gregory Czarnota**

- Early Researcher Award, Ministry of Research and Innovation, 2009
- Research Chair in Imaging and Experimental Therapeutics, Cancer Care Ontario, 2009
- Academic Merit Award, Radiation Oncology, 2008

### **Young-Bin Cho**

- Best Oral Presentation, Canadian Organization of Medical Physicists Annual Meeting, 2008

### **Cyril Danjoux,**

- Cancer Care Ontario: Quality Award for the Rapid Response Radiotherapy Program, Odette Cancer Centre, Sunnybrook Hospital, 2008

**Carol Gilles**

- Philips Exhibit Award, Canadian Association of Medical Radiation Technologists, 2008

**Harald Keller**

- Third Place Prize for a Technologist Poster, Technologist Section of the Society of Nuclear Medicine, 2008

**Andrew Loblaw**

- Frank Ellis Medal, Royal College of Radiologists, 2009
- Flims Grant, Fellow awarded First Annual Canadian Radiation Oncology Foundation, 2009

**Cynthia Menard**

- New Investigator Award, Canadian Institutes of Health Research (CIHR), 2007-2012
- Most Influential Research Publication, Radiation Medicine Program- Princess Margaret Hospital, 2008

**Karen Moline**

- Champions of Care Award, The Sunnybrook Foundation, 2008
- Philips Exhibit Award, Canadian Association of Medical Radiation Technologists, 2008

**Joyce Nyhof-Young**

- Best Paper Award: Design and Aesthetics Track, International Textile and Apparel Association (ITAA), 2008
- Best presentation, Health Care category, Ontario Medical Student Research Day, 2009

**Brian O'Sullivan**

- Best Annual Scientific Rounds, Radiation Medicine Program, Princess Margaret Hospital, University of Toronto, 2009
- Honorary Fellow of the Faculty of Radiologists, Royal College of Surgeons in Ireland (FFRRC SI, Hons), 2008

**Cathryne Palmer**

- David Fear Fellowship nominee, University of Toronto (CEPD), 2008

**Ringash, Jolie**

- Research Project Supervisor Award Recipient, Princess Margaret Hospital Radiation Medicine Programme Annual Education Awards, 2008
- Best Poster Award (Zahra Kassam), University of Toronto Resident Research Day, 2008
- AstraZeneca Exhibit Prize (Karen Wong), Royal Australian and New Zealand College of Radiologists (RANZCR), 2008
- PSI Resident Research Award (Louis Fenkell), Physician Services Incorporated. Foundation, 2008

**Rosewall Tara**

- Nursing and Professional Services Staff Scholarship, University Health Network, 2008-2009
- Research Productivity Award. Radiation Medicine Program, Princess Margaret Hospital, 2008

**Arjun Sahgal**

- Best Research Project Supervisor Award, Department of Radiation Medicine, Princess Margaret Hospital, 2009
- Cancer Care Ontario: Quality Award for the Rapid Response Radiotherapy Program, Odette Cancer Centre, Sunnybrook Hospital, 2008

**Emily Sinclair**

- Cancer Care Ontario: Quality Award for the Rapid Response Radiotherapy Program, Odette Cancer Centre, Sunnybrook Hospital, 2008

**Jeffrey Siewerdsen**

- Laidlaw Manuscript Award, Institute of Medical Sciences, University of Toronto, 2008
- Magna Cum Laude Presentation Award, Society for Thoracic Radiology, 2008
- Michael B. Merickel Best Student Paper Competition, First Place. SPIE Medical Imaging, 2008

**Alexander Sun**

- Third Place Prize for a Technologist Poster, Technologist Section of the Society of Nuclear Medicine, 2008

**Gillian Thomas**

- Award for Excellence, International Gynecologic Cancer Society (IGCS), 2008

**May Tsao**

- Cancer Care Ontario: Quality Award for the Rapid Response Radiotherapy Program, Odette Cancer Centre, Sunnybrook Hospital, 2008

**Douglass Vines**

- Best Paper Award for 2007, First Place for the Journal of Nuclear Medicine Technology, Technologist Section of the Society of Nuclear Medicine, 2008
- Third Place Prize for a Technologist Poster, Technologist Section of the Society of Nuclear Medicine, 2008

**Alex Vitkin**

- Exceptional Research Support Award, The Radiation Medicine Program, Princess Margaret Hospital, 2008
- Premier's Research Excellence Award, University of Toronto, 2003-2008

**Ivan Yeung**

- Best Oral Presentation, Canadian Organization of Medical Physicists, 2008
- The John S. Laughlin-Science Council Research Symposium presentation, American Association of Physicists in Medicine (AAPM), 2008

**Bradly Wouters**

- Michael Fry Award, American Society of Therapeutic Radiology and Oncology, 2008



## Research Day - May 9, 2009

### Oral Presentations

**Gaurav Bahl, Radiation Oncology Fellow**

A population-based study of medulloblastoma in Ontario.

**Supervisor:** D. Hodgson

Endocrine complications in children treated for medulloblastoma or ependymoma using radiation therapy: Outcomes in the CT-planning era.

**Supervisor:** N. Laperriere

**Amanda Caissie, Radiation Oncology Resident**

Ultrasound-activated microbubbles as novel radiosensitizers with vascular disrupting effects.

**Supervisor:** S. Wong; G. Czarnota

**Daria Comsa, Medical Physics Resident**

Efficient treatment delivery of lung stereotactic body radiation therapy (SBRT) using volumetric modulated arc therapy (VMAT).

**Supervisor:** D. Moseley

**Supriya Chopra, Radiation Oncology Fellow**

Technical development of MRI voxel to biopsy co-localization in patients with prostate cancer.

**Supervisor:** C. Ménard

**Jenny Forrest, Radiation Oncology Fellow**

Treatment outcomes for patients with advanced cervical cancer treated with 'GOG Protocol compatible' definitive chemo-radiotherapy and HDR brachytherapy.

**Supervisor:** G. Thomas

**Meredith Giuliani, Radiation Oncology Resident**

Resident assessment using multi-source feedback in the CanMEDS era: The development of user-centered assessment tools.

**Supervisor:** P. Catton

**Alfonso Gomez-Iturriaga, Radiation Oncology Fellow**

Iodine 125 brachytherapy (BT) as monotherapy in patients aged  $\leq 55$  years with localized prostate cancer.

**Supervisor:** J. Crook

**Adrian Ishkanian, Radiation Oncology Resident**

Array CGH identifies high-frequency copy number alterations in DNA damage sensing and repair pathways and predicts for biochemical recurrence in intermediate risk prostate cancer.

**Supervisor:** R. Bristow

**Alex Karotki, Medical Physics Resident**

Using PET for defining internal target volume in lung cancer.

**Supervisor:** K. Mah

**Caroline Lavoie, Radiation Oncology Fellow**

Improvement of target coverage in radical lung radiotherapy using image guidance cone-beam CT (CBCT).

**Supervisor:** A. Bezjak

**Eve-Lyne Marchand, Radiation Oncology Resident**

Treatment planning with volumetric modulated arc therapy for stereotactic body radiotherapy (SBRT) of spinal/paraspinal tumours.

**Supervisor:** D. Létourneau

**Andrea McNiven, Medical Physics Resident**

3D deformable registration of the prostate from whole-mount histology to in vivo MRI.

**Supervisor:** K. Brock

Evaluation of a new metric for assessing IMRT modulation complexity and plan deliverability.

**Supervisor:** T. Purdie

**Andrew Potter, Radiation Oncology Fellow**

Factors influencing dose/fractionation choices for palliation of bone metastases.

**Supervisor:** R. Wong

**Hany Soliman, Radiation Oncology Resident**

Functional imaging of neoadjuvant chemotherapy response in women with locally advanced breast cancer using diffuse optical spectroscopy.

**Supervisor:** G. Czarnota

**Christiaan Stevens, Radiation Oncology Fellow**

Palliative radiotherapy for head and neck cancer: A retrospective, single-institutional review.

**Supervisor:** J. Ringash

**Poster Presentations**

**Gaurav Bahl, Radiation Oncology Fellow**

Intensity modulated radiation therapy for skull base chordomas and chondrosarcomas: Outcomes in the image-guided era.

**Supervisor:** N. Laperriere

Prognostic factors and outcomes for elderly patients with glioblastoma multiforme.

**Supervisor:** N. Laperriere

Radical radiation therapy in the management of radiation-induced meningiomas.

**Supervisor:** N. Laperriere

**William Chu, Radiation Oncology Fellow**

A pilot study of in vivo tumour imaging with hyperpolarized <sup>13</sup>C-MRSI.

**Supervisor:** C. Cunningham; S. Wong; G. Czarnota

**Caroline Chung, Radiation Oncology Fellow**

Serial MRI imaging for the design and evaluation of xenograft intracranial brain tumour mouse models.

**Supervisor:** C. Ménard

**David Fitzpatrick, Radiation Oncology Fellow**

Defining the target for bone metastases – The impact of 3D planning CT.

**Supervisor:** R. Wong

**Matthew Follwell, Radiation Oncology Resident**

Is there an advantage to IMRT for hard to treat primary brain cancer?

**Supervisor:** A. Sahgal

**Jenny Forrest, Radiation Oncology Fellow**

IMRT compared with 4 field conformal pelvic radiotherapy for the definitive treatment of cervical carcinoma.

**Supervisor:** G. Thomas

**Meredith Giuliani, Radiation Oncology Resident**

Survival impact of prophylactic cranial irradiation in limited stage small cell lung cancer.

**Supervisor:** A. Hope

**Jayant Goda, Radiation Oncology Fellow**

A pilot study of  $\gamma$ H2AX DNA repair foci kinetics in peripheral blood lymphocytes during prostate cancer radiotherapy.

**Supervisor:** R. Bristow

High risk extracranial chondrosarcomas - Long term results of surgery and radiotherapy therapy.

**Supervisor:** P. Chung

Hodgkin lymphoma with relapsed or progressive disease after autologous stem cell transplantation: Efficacy of salvage radiation therapy.

**Supervisor:** R. Tsang

**Alfonso Gomez-Iturriaga, Radiation Oncology Fellow**

The efficacy of hyperbaric oxygen therapy in the treatment of medically refractory soft tissue necrosis after penile brachytherapy.

**Supervisor:** J. Crook

The impact of perineural invasion on biochemical outcome following permanent prostate <sup>125</sup>I brachytherapy.

**Supervisor:** J. Crook

Toxicity results and biochemical outcome in patients receiving D90 doses of 180Gy or higher after <sup>125</sup>I prostate brachytherapy.

**Supervisor:** J. Crook

**Kathy Han, Radiation Oncology Resident**

A comparison of two immobilization systems for stereotactic body radiation therapy (SBRT) of lung tumours.

**Supervisor:** P. Cheung

Comparison of helical, slow and average CT for radiation treatment planning and normal tissue contouring in stereotactic body radiotherapy of lung tumours.

**Supervisor:** P. Cheung

Intensity-modulated radiotherapy (IMRT) and concurrent chemotherapy (ChT) for anal and perianal cancer: Preliminary report of acute toxicity.

**Supervisor:** J. Kim

**Justin Lee, Radiation Oncology Fellow**

Detection of tumour response to radiotherapy and radiosensitization agent using quantitative non-invasive high frequency ultrasound.

**Supervisor:** G. Czarnota

**Mark Lee, Radiation Oncology Fellow**

Simplifying liver cancer intensity modulated radiation therapy (IMRT).

**Supervisor:** L. Dawson

**Karen Lim, Radiation Oncology Fellow**

Variability in delineation of clinical target volumes for cervix cancer intensity-modulated pelvic radiotherapy.

**Supervisor:** A. Fyles

**Indranil Mallick, Radiation Oncology Fellow**

Partial laryngeal irradiation in T1aN0M0 glottic cancer – Determination of PTV margins.

**Supervisor:** J. Waldron

**Orla McArdle, Radiation Oncology Fellow**

Fertility in young breast cancer survivors - Novel assessment of ovarian reserve.

**Supervisor:** D. Hodgson

**Claire McCann, Medical Physics Resident**

A robust IMRT optimization method for lung cancer, accounting for tissue heterogeneity and intra-fraction motion.

**Supervisor:** J-P. Bissonnette

**Heather McCarty, Radiation Oncology Fellow**

A pilot study to investigate the feasibility of using an intravaginal stent to prevent vaginal stenosis following radiation therapy for gynecologic cancer.

**Supervisor:** W. Levine

Dyspareunia after chemoradiation (Chemo-RT) for anal carcinoma – An under reported complication.

**Supervisor:** D. Hodgson

**Sten Myrehaug, Radiation Oncology Resident**

Hypofractionated radiotherapy for high-risk prostate cancer: Dosimetric comparison and acute clinical toxicity of two pelvic nodal volume delineation techniques.

**Supervisor:** A. Sahgal

Hypofractionated radiotherapy for high-risk prostate cancer: Dosimetric comparison of intensity modulated radiotherapy and volumetric modulated arc therapy.

**Supervisor:** A. Sahgal

**Nikhilesh Patil, Radiation Oncology Fellow**

Management of pituitary adenoma with stereotactic radiotherapy at Princess Margaret Hospital.

**Supervisor:** R. Tsang

**Andrew Potter, Radiation Oncology Fellow**

Dosimetric comparison of two-dimensional (2D) versus three dimensional (3D) planning for bone metastases.

**Supervisor:** R. Wong

**Alexandra Rink, Medical Physics Resident**

Investigation of discrepancy in reports on GafChromic EBT energy dependence.

**Supervisor:** P. Lindsay

**Qiulin Tang, Radiation Oncology Fellow**

Alternative methods of cone-beam CT image reconstruction for under-sampled and truncated projection data.

**Supervisor:** I. Yeung

**Mojgan Taremi, Radiation Oncology Fellow**

Princess Margaret Hospital experience with lung stereotactic body radiotherapy for early stage non-small cell lung cancer.

**Supervisor:** A. Bezjak

**Amy Teh, Radiation Oncology Fellow**

A feasibility study of intensity modulated radiation therapy for concomitant boost breast radiotherapy.

**Supervisor:** A. Fyles; F-F Liu; J. Cho

**Timothy Yeung, Research Assistant**

Assessment of liver tissue perfusion by dynamic contrast-enhanced computed tomography (DCE-CT) using a dual-input two-compartment model.

**Supervisor:** I. Yeung