

Chair of Imaging/Diagnostic Radiology



Another year has come and gone, and what have we learned? What have we accomplished?

In January, the Department of Medical Imaging underwent an external review; the first we'd had in years. Weeks of preparation went into that review. A Fanshawe study led by Liz Loruzzo, "Reducing Patient Dose in Portable Imaging" was beginning.

Discussions were underway around Peer Review Programs and Quality was the vernacular of the day. Planning for London Imaging Discovery (LID) was about to ramp up.

CaRMS was held in early February, and Career Development Planning interviews were scheduled. The "Quality of Care Committee" (now called the Medical Imaging Professional Interpretation Quality Committee [MIPI-QC]) was formed. (I now sit on the newly formed Peer Review Implementation Task Group which is a task group of the Health Quality Ontario and Expert Panel on Diagnostic Imaging Quality – the

Steering Committee. This initiative has an aggressive timeline and will drive and parallel the foundational work of MIPI-QC). An initiative linking Hamilton Health Sciences with London Health Sciences Centre (LHSC) was being considered as managed equipment services (MES) to share in the provision of state-of-the-art equipment.

In March, we welcomed Dr. Patrice Bret as our Visiting Professor, who focused on faculty wellness and happiness. The Association of American Medical Colleges (AAMC), Council of Faculty and Academic Societies (CFAS) held the semi-annual meeting in March in Nashville, Tennessee, and we were well represented. HUGO was ramping up with order set reviews, and meetings were held around its impending launch.

Throughout March, April and May, more than 30, half-hour faculty Career Development Planning (CDP) interviews were held. We introduced our new CDP format, which is inclusive of providing mentorship, as well as career planning. Schulich Medicine & Dentistry held a strategic planning retreat, and the Canadian Society of Physician Executives (CSPE) and Canadian Association of Radiologists (CAR) meetings were held in Toronto. *Inside Magazine* profiled the department. To improve communication, the old website began its metamorphosis into something new, and a newly formatted newsletter was launched.

With May and June came Dr. Jacalyn Duffin – a Visiting Professor,

hematologist and historian. Six new full-time faculty members were slated to begin in July and work was underway in earnest to ensure their timely arrival. The 9th annual London Imaging Discovery was another success with Dr. Brian Goldman from CBC Radio One, as our Keynote Speaker. As Chief, I represented the department at the Radiothon in Victoria Hospital atrium to raise money to purchase MRI goggles for Children undergoing an MRI. Nuclear Medicine held the Annual Residency Program retreat. It was with great sadness that we learned of the passing of our beloved Dr. (Thomas) Stephen Eakins on June 15. We said farewell to the PGY5 graduates and congratulations to Dr. Hobbs on his retirement.

During the summer, work continued. The website was finally complete and launched. The Royal College began providing "Competency by Design" dialogue sessions. Dr. Akira Sano from Osaka Saiseikai Izu Hospital in Japan visited us and attended our Grand Rounds. We began working on our Hospital Human Resources planning portfolio. Meetings were being booked for review of our budget with Dr. Michael J. Strong, Dean, for the fall. Brendon Pilgrim began canvassing in preparation for LHSC hospital accreditation. (Thank you Brandon; 100 per cent). We offered congratulations to Dr. Elliott on his retirement.

Dr. Andrea Lum's message is continued on page 2

MESSAGE FROM THE CHAIR & DIVISIONAL CHAIRS

Chair of Imaging/Diagnostic Radiology (Continued)

In September, Dr. Jennifer Harvey, the head of the Division of Breast Imaging and Professor of Radiology was our Visiting Professor. She was followed closely by Dr. Eugene Yu (Head and Neck) and Dr. Ravi Bhargava (Paediatric Radiology). We finalized our Schulich School of Medicine & Dentistry Medical Imaging Departmental budget, and we advised hospital Human Resources of our professional staff requirements for the upcoming year. In October, we were well represented at the International Conference on Residency Education with several attending. We began preparing ourselves for "Competency by Design". Four St. Joseph's Health Care London Radiologists held a CME evening education session for London's Family Physicians and Specialists.

In November, our Radiology Residents held their Annual Retreat. We planned on our attendance at the RSNA along with an impressive list of resident presenters: Dr. Derek Cool, Dr. Hamid Reza Sageghi Neshat, Dr. Jonathan Chung, Dr. Michael Roth, and Dr. Rebecca Zener. We met for a two-year Aramark annual overview, shaved our faces and were fitted for our N95 masks, rolled up our sleeves and were given our flu shots. The AAMC/CFAS held a semi-annual meeting, this time in Chicago, Illinois and again, we were well represented. Dr. Elsie Nguyen was our final Visiting Professor for the year; 2014 hosted the highest number of sponsored VP's in the past five years.

Throughout the year we attended ongoing regular monthly meetings around the three business groups,

the City-Wide department itself, Medical Advisory Committee (MAC) and MAC Executive, medical imaging leadership team (MILT), medical imaging executives, St. Joseph's acute ambulatory leadership council, hospitals undergoing optimization, the residency program and nuclear medicine residency program, undergraduate education, Clinical Chairs, Executive Committee of Schulich Council, and innumerable others to represent the department more fully. No less than 48 additional items interwove their way through our calendars, vying for priority. We wrote letters of support, newsletter articles, thank you cards, attended mentorship dinners, hosted resident journal clubs, responded to thousands of emails, mentored fellows, and wrote proposals for funding.

So what have we learned? We have learned to say thank you to our hardworking site Chiefs: Drs. Tay, Islam and Goela and our Divisional Chairs, Drs. Jonathan Romsa and Aaron Fenster. These individuals, through the devotion of countless hours in lunch and evening meetings, in T-Cons, and through face-to-face hallway conversations, help to manage and lead our three sites through these challenging times of fiscal constraint. It is through their ongoing assistance our hospitals have thrived.

We are grateful to those involved in the management of this department, those who sit on the medical executives advisory, and on the medical imaging leadership team, those who were involved in the planning, organizing and

accomplishment of the career development interviews through our team approach (leader, physicist, mentor). Many have appreciated this formative process to enable success in their careers. To that end, we are happy to announce Western has moved through to the next round of our candidates' dossiers. Feedback has been that we have set the Gold Standard".

We are appreciative of all others involved in the successful day-to-day workings of this department. Our administrative support staff is second-to-none; they are bright, professional, and hardworking. Those visiting our department are quick to notice and comment on the proficiency of our team. Thank you to those who rally for us from the President's and Dean's offices, all the way down to the department level. Thank you to Drs. Ross, Shastry, Etemad-Rezai, Bhaduri and others who help our students and residents reach their goals.

Finally, thank you to the Faculty. Your dedication and commitment to excellence in clinical and academic work helps us to provide the best imaging care for our patients and to continue to achieve academic excellence in teaching and research.

I am grateful that the focus of this department has never wavered from the goal of the provision of excellence in care for our patients. On the cusp of a new year, may you reflect on the successes of 2014, and may you anticipate 2015 with promise.

Dr. Andrea Lum
Chair of Imaging/Diagnostic Radiology

What's Inside

4. New Faculty Feature

5. Resident Retreat & Medical Women of Canada

6. United Way Stair Climb

7. Accomplishments

8. Faculty & Student Awards

9. Updates - General, Personnel & Academic

Chair, Division of Nuclear Medicine



As the year comes to an end, it's an opportune time to give an update from the Division of Nuclear Medicine.

From an educational perspective, this July we have welcomed several new trainees from within Canada and abroad. We aspire to make your learning experience a memorable one!

On the same note our fellowship program has continued to be vibrant; it has attracted domestic and international trainees from various fields including cardiology, radiology and nuclear medicine.

Our physicist Dr. Stodilka, is working very hard with others to develop a master's program in Medical Imaging, which will further enhance the educational experience offered to learners.

Operationally, things are now in full swing. The PET

imaging program continues to expand as does the Therapy Program (Neuroendocrine, Thyroid cancer and other minimally invasive therapies).

The Division of Nuclear Medicine continues to collaborate with multiple departments on the research front. London is one of two sites nationwide actively participating in the Health Canada registry for Lu-177 labelled somatostatin analog therapy in neuroendocrine cancer. This is a collaborative program with Medical Oncology, Surgery and Radiology. Other notable collaborative projects among many include the ISCHEMIA trial (Cardiology), Long Term Follow up of Minimal Invasive Cardiac Surgery (CVT) and the Thyroid Cancer Database (Endocrinology).

Administratively, we welcome a new coordinator (Ryan MacDonald) to Nuclear Medicine. We look forward to a fruitful relationship.

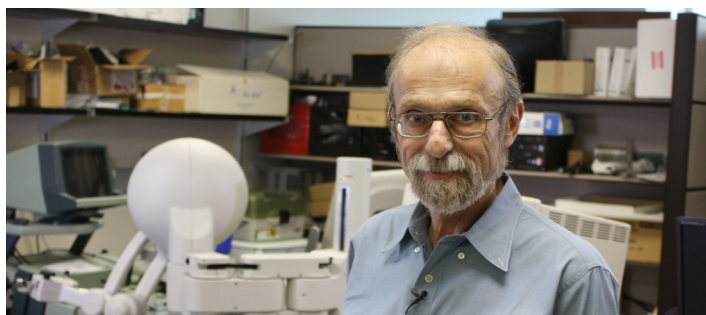
To our outgoing coordinator Kathy Williams, we wish you the best in your new position with IT.

Thank you to all of you who have worked hard to ensure that we continue our excellence in the provision of patient care.

Dr. Jonathan Romsa

Chair, Division of Nuclear Medicine

Chair, Division of Imaging Sciences



There have been some stellar achievements in the latter half of 2014 among our imaging scientists and our graduate trianees. The recent announcement of the new Western Cluster of Research Excellence in Musculoskeletal Health led by Director, David Holdsworth, PhD, a Robarts Imaging Scientist and Schulich Medicine & Dentistry professor, is expected to drive interdisciplinary bone and joint research with the goal of providing life-long mobility.

Frank Prato, PhD and Ting-Yim Lee, PhD were honoured at this year's Lawson Impact Awards Dinner. Prato received the Career Scientist Award for his

extraordinary accomplishments and who, as visionary, mentor, and leader, has made Lawson Health Research Institute a national and international leader, home to many firsts for research and state-of-the-art equipment.

Lee won the Innovation Award for his development of CT Perfusion, a technology that measures how blood flows through tissues in the body. Now licensed by GE Healthcare, this technology is in use in more than 8,000 hospitals worldwide to better diagnose and treat stroke and cancer patients.

In September, Terry Peters, PhD received the 2014 MICCAI Enduring Impact Award at the international Medical Image Computing and Computer-Assisted Interventions (MICCAI) Annual Conference at MIT in Cambridge, USA. Peters, a Scientist at Robarts Research Institute and Professor at Schulich Medicine & Dentistry, was recognized for pioneering contributions in CT imaging and for bringing computer-assisted intervention (CAI) techniques to clinical practice.

Dr. Aaron Fenster, PhD

Chair, Division of Imaging Sciences

NEW FACULTY FEATURE

Q&A with Dr. Gary Brahm



Why did you decide to become a radiologist?

I was first introduced to radiology relatively early while pursuing my undergraduate degree in biophysics at Western University. Having a keen interest in math and physics, I was very intrigued by the simplicity and complexity behind the various imaging modalities of x-ray, ultrasound, and MRI.

In medical school I explored various fields in medicine and found myself being drawn to radiology more and more. I was fascinated by the concept of being able to see inside the human body with astonishing detail, without cutting it open. I love the problem-solving aspect behind radiology in which every study is a puzzle and it's our job to put the puzzle together.

Where and when did you obtain your undergraduate and postgraduate degree?

I obtained my Bachelor degree in Medical Biophysics at Western University in 2003. I obtained my medical degree at University of Toronto (U of T) in 2007, and I completed my residency training in radiology at Schulich School of Medicine & Dentistry, Western University.

Where and when did you do your fellowship? What specialty did you do?

I did my fellowship at U of T, University Health Network/Mount Sinai Hospital in Abdominal Imaging.

Have you won any awards?

In June 2012, I won the Roentgen Resident/Fellow Research award

in RSNA Research & Education Foundation; in recognition of Outstanding Radiologic Research. In June 2011, I won the Tom Munro Award for Outstanding Presentation of Original Research at London Imaging Discovery.

Can you tell us about your family?

I am married to Tiffany Johnson and we have two boys. The oldest is Matthew Charles Brahm (3 years old) and the youngest, Ryan, was just born on October 21.

How would your best friend describe you?

Friendly, easy-going, almost always has a smile on my face. Playful, full of energy, short attention span.

Who has inspired you in your life?

My father has been a huge inspiration to me. He taught me you always have to work hard and strive to be the best you can be and not rely on natural talent.

What are your career aspirations?

I want nothing more than to be seen as a local expert in my field of radiology. If I can do this, be a good father and husband, and enjoy coming to work every day until the day I retire I will count that as a success.

What is your biggest fault?

I am a textbook procrastinator.

What are your hobbies?

My hobbies include poker, chess, and strategy board games. I used to play ultimate Frisbee and rock climbed regularly when I was younger.

How do you define success?

I define success by happiness. If you can wake up and go to bed happy, then you are successful. In my mind, I am currently a success.

Resident Retreat



On November 21, Schulich Medicine & Dentistry's Radiology Program held their second-annual resident retreat at the Ivey Spencer Leadership Centre. This resident-run initiative has an underlying philosophy of mentorship and a focus on multifaceted resident development.

This year we decided to look to the future and hear about new or upcoming developments in radiology. This gave the staff and residents an opportunity to share

in the exciting advances to the field with our theme being: The Frontiers of Radiology.

Royal College-style sessions were organized for the morning, with a special thank you to Drs. Alison Spouge, Anat Kornecki and Donald Lee for their shared time, experience and mentorship.

Our PGY 3-5 residents each got to spend some time in the proverbial Hot Seat, while the more junior residents got an idea of what to expect.

In the afternoon we heard from Dr. Ian Ross about the Program's direction, vision and curriculum design including some potential new learning, assessment and logging software.

Our Chair & Chief Dr. Andrea Lum spoke about Competency Based Medical Education (CBME) and province-wide peer review.

Drs. Donald Lee, Zahra Kassam and Amol Mujoomdar shared some of the exciting developments in their fields of neuroradiology, body radiology and interventional radiology, respectively.

The evening closed off with an entertaining and competitive two rounds of non-radiology trivia hosted by Dr. Jonathan Chung.

On behalf of the organizing committee, we would like to thank all the volunteers who made this day possible and look forward to next year!

Dr. Matthew Rochon

Medical Women of Canada



This fall, more than 100 women leaders from across Canada met in Vancouver for the 90th annual general meeting of the Federation of Medical Women of Canada.

While women now represent a majority of students in many medical schools in Canada, there is a stark shortage of those who attain roles in administration, academia and leadership. Dr. Mamta Gautum, incoming FMWC president and an Ottawa psychiatrist explained, "Our goal is to foster women physicians,

students and residents to look beyond their role of a doctor and provide examples of how that experience can be applied to create political change."

The sentiment was clearly represented among the speakers whose careers crossed the spectrum from patient care to organized medicine and beyond. "Politics is a natural progression of being a physician," encouraged speaker Dr. Hedy Fry, member of Parliament for Vancouver Centre.

Reflecting modern issues in feminism and gender equity, this year was the first time a panel discussion was held offering the reflections of male spouses. "You have to define your shared objectives and work toward them," said Hassan El Masri, a notary public and spouse of a general surgery resident in Vancouver.

During the awards ceremony,

Toronto police detective Wendy Leaver was inducted as an honorary member for her work protecting women in the sex trade. Saskatchewan's Dr. Lalita Malhotra was acknowledged for her pioneering work in women's health as one of the first female physicians in her region.

The FMWC was founded in 1924 and strives to advocate for the advancement of female physicians and women's health. Its next AGM will be in September 2015, in Toronto. The FMWC is a branch of the Medical Women's International Association, whose triennium theme is prevention of violence against women.

Reprinted in part by permission from Pamela Liao, MD NCMP, Resident Family Physician, University of Toronto. The Medical Post, October 7, 2014.

UNITED WAY STAIR CLIMB



As I write this blurb, it is less than 24 hours after the United Way Stair Climb of 541 stairs, 25 floors (well, 24 since the unlucky floor of 13 was not counted), and we survived.

This year, Jackie Windsor and I made up the face of Medical Imaging with donations of \$405 and joined the ranks of “Schulich Cares” to form a team of 14, raising \$3,512 in total.

There were about 50/50 Veterans to Newbies, and all were happy to be helping such a great cause. Earlier that morning, Maly, our team captain, had sent a report that one of the local radio dj's had run up the stairs – 24 floors in under seven minutes. It took my breath away just to think of it.

United Way started us off with a few warm-up exercises before the attack of stairs began.

Maly made sure we were prepped (“It is not a race” she

kept saying... “We can take a break whenever you want”) and ready to go, all decked out in either our Western Purple or Schulich gear.

We did look colorful and raring to go. The first five flights – okay, my muscles were starting to burn.... five more and they were on fire.... thank god we got a break.... up another 10 flights, I tried to catch an extra second of rest at each floor this time, it helped.

At 20 flights, another rest, and then only five left... yeahhh we made it to the top. Congratulations and water were on hand.

When you give to United Way, you invest in 81 programs and strategies proven to get results and create lasting change in people's lives and our community – and that means a better community for us all. That is why Shulich Medicine & Dentistry took on the challenge to raise \$150,000 as a campaign goal.

On Thursday November 6, the “Schulich Cares” Stair Climb tackled 472 steps to the finish line, raising \$3512.00 toward our School goal. Well done participants and donors.

Margaret Moulton
Finance Coordinator

Welcome New Faculty

Dr. Vajid Khan is located at St. Joseph's Hospital in Medical Imaging as of December 1, 2014. Dr. Khan completed his medical degree at the Schulich School of Medicine & Dentistry, Western University, followed by a residency from McMaster University in Hamilton. Dr. Khan has completed a Cross-Sectional Imaging Fellowship from St. Michael's Hospital at the University of Toronto.

Dr. David Laidley will be located at St. Joseph's Hospital in the Department of Medical Imaging, Division of Nuclear Medicine, beginning January 1, 2015. Dr. Laidley completed his undergraduate education at Memorial University of Newfoundland, St. John's Newfoundland. Following this, he completed Nuclear Medicine Residency training the Schulich School of Medicine & Dentistry, Western University. He pursued his fellowship at McGill University in Principles and Practice of Positron Emission Tomography in Oncology followed by a Fellowship at Schulich Medicine & Dentistry, Western University in Nuclear Medicine Oncology.

Funding and Publications

FUNDING

Dr. Lisa Hoffman - Canadian Institute of Health Research Grant

Received \$100,000 in bridge funding from the Canadian Institutes of Health Research for her project titled, "Assessment of Skeletal Muscle Perfusion and Function Following Vascular-Targeted Therapy for Duchenne Muscular Dystrophy".

Dr. Jonathan Thiessen – Lawson Health Research Institute

Received a \$15,000 IRF from Lawson for his project titled "Imaging Glucose Metabolism in MRI and PET: Cross-Validation of GlucoCEST and FDG-PET in a C6 Rad Model of Glioma".

Dr. Julien Modolo – Western University Strategic Support

Received a Western Strategic Support grant for \$11,147 for his project titled "Effect of non-invasive alternating current stimulation on resting tremor in humans".

Dr. Gerry Wisenberg – HSFO bridge funding

Received HSFO bridge funding of \$70,000 for his project titled "PET/MR assessment of post-infarction inflammation and remodelling".

Dr. Keith St. Lawrence – Canadian Institute of Health Research Grant

Is co-investigator on a successful CIHR grant led by Sandrine De Ribaupierre (Children's Health Research Institute, London), titled "Development and validation of new technologies to monitor hydrocephalus".

Dr. Aaron So – CIHR Young Investigator Forum

Received the Outstanding Abstract Award from the CIHR Young Investigator Forum for his project "Quantitative functional CT assessment of salvageable myocardium in acute myocardial infarction".

PUBLICATIONS

Gelman, N., Silavi, A., & U. Anazodo. A hybrid strategy for correcting geometric distortion in echoplanar images. *Magn Reson Imaging* 32(5): 590-593 (June 2014)

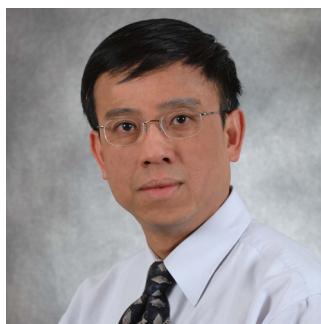
Zhang, Y., Vasefi, F., Ng, E., Chamson-Reig, A., Kaminska, B., & J.J. L. Carson. Mesoscopic reflectance angular domain spectroscopic imaging. *J Biomed Opt* 19(7): 076010-1-076010-11 (July 2014)

Bondoc, A., Detombe, S., Dunmore-Buyze, J., Gutpell, K., Liu, L., Kaszuba, A., McGirr, R., Hadway, J., Drangova, M., & L. Hoffman. Application of three-dimensional echocardiography and gated micro-CT to assess cardiomyopathy in a mouse model of Duchenne muscular dystrophy. *Ultrasound in Medicine & Biology* (October 2014) – Epub ahead of print

AWARDS



Dr. Jean Theberge was awarded a Canadian College of Physicists in Medicine (CCPM) in Magnetic Resonance Imaging Fellowship. A CCPM Fellowship attests to excellence in the provision of clinical service, education and/or research, thus providing the necessary mechanism for medical institutions to ensure that a high standard of medical physics services are available for patient care.



Ting-Yim Lee, PhD was elected as a Fellow of the Canadian Organization of Medical Physicists (COMP) at their Annual General Meeting in Banff, Alberta on July 11, 2014.



Grace Parraga, PhD, was awarded the 2014 Radiological Society of North America: Radiology Journal Editor's Recognition Award for Reviewing with Special Distinction. Outstanding service as a reviewer of scientific manuscripts submitted for publication.

Student Awards

Congratulations to the following student award winners:

Udunna Anazodo who achieved the CIHR Institute of Aging Age+Prize Award in 2014

John Baxter for the Platform Presentation Award, 2nd Place at London Health Research Day

Jessica Kishimoto and Sarah Svenningsen who were tied for 2nd place for the Platform Presentation Award, 1st Place at London Health Research Day

Sarah Mattonen for the Platform Presentation Award, 2nd Place at London Health Research Day

Tom Hrinivich and Matt Guttman for 1st place in the Poster Awards under the category Medical Physics, Engineering and Imaging London Health Research Day

Tom Hrinivich for being awarded a Queen Elizabeth II Graduate Scholarship in Science and Technology (QEII-GSST) in 2014

Tom Hrinivich for the 1st place poster prize at the Imaging Network of Ontario (ImNO) Symposium, Toronto, ON, 2014

Somiraa Said who won the "JBT (Journal of Biomaterials and Tissue Engineering) Best Paper Award" awarded from the Editorial Committee and the American Scientific Publishers, 2014

Yiwen Xu who was awarded NSERC-CGS-D - Alexander Graham Bell Canada Graduate Scholarship (Doctoral) in 2014, and who also received a 1st place poster prize at the Imaging Network of Ontario (ImNO) Symposium, Toronto, ON, 2014

Damien Pike for being awarded an Ontario Graduate Scholarship (OGS) in 2014

Matthew Quinn for the Platform Presentation Award, 1st Place at London Health Research Day

Jessica Kishimoto for:
- Winning an Internal Research Fund Studentship – Lawson Health Research Institute (\$15,000)

- CIHR Travel Award to Canadian Student Health Research Forum
First place, Poster Competition, Imaging Network Ontario. Toronto, ON, 2014

- First place, Oral Presentations – Clinical. Paediatric Research Day, London, ON 2014

- Alfred Jay Award for Translational Research. A.C. Burton Day – Medical Biophysics. London, ON

Miscellaneous Updates

MEDICAL IMAGING PROFESSIONAL INTERPRETATION QUALITY COMMITTEE & PEER LEARNING DR. ROBERT STODILKA

In June 2014, the OAR hosted “Peer Review 2014” – a one day a Continuing Medical Education (CME) program in Toronto, discussing the science, legislation, and implementation of peer-review in the radiological sciences¹. On science: Modern peer-review theory evolved from initiatives on quality improvement in the automotive industry, and safety in the airline industry².

“Peer-review” is an outdated term for what should be known as “peer-learning”, where the intent is neither punitive nor focused on errors. Rather, it provides feedback and education to all individuals in a safe environment. On legislation: In Ontario, a safe environment for peer-learning is ensured by the Quality of Care Information Protection Act (QCIPA). QCIPA is central to a quality committee’s Terms of Reference – and figure prominently in MIPI-QCs ToRs (presently under review by hospital legal counsel).

On implementation: Peer-Learning is widely deployed in British Columbia, Alberta, as well as the United States. In Ontario, several large health systems (notably Hamilton and UHN) have implemented it, although quite differently. In London, at St Joseph’s and LHSC, MIPI-QC decided on retrospective double-reading of select cases via ZVision. Over the next few months, the Committee will be putting ZVision through its paces – iterating, refining, until we have a system we think you will all be happy with.

1. www.oar.info/pdf/OAR_PeerReview_CME_WebBrochureFINAL.pdf

2. Larson DB and Nance JJ 2011 Rethinking Peer Review: What Aviation Can Teach Radiology about Performance Improvement Radiology 259 626-632.

RADIATION SAFETY TRAINING DR. ROBERT STODILKA AND MAJID SABONI

Ontario’s Ministry of Labour (MOL) prescribes limits to occupational x-ray radiation dose.

Presently, the dose limit to the lens of the eye is 150 mSv/year for a radiation worker. If that dose limit is exceeded, MOL requires the organization’s Radiation Safety Officer (RSO) to conduct an investigation. MOL may then issue an order to the radiation worker to stop radiation work for the balance of the calendar year.

Several such orders were issued last year in Ontario, but none to radiation workers in London hospitals. MOL is now proposing to reduce the limit to the lens of the eye to 50 mSv/year and 100 mSv/5 years. The timing for this regulatory change is unknown. We expect this new limit will be exceeded by some of our radiation workers, triggering government-legislated investigations.

In anticipation of these changes, Medical Imaging is hosting two Grand Rounds sessions in dose reduction.

The first was given by Rob Stodilka and Majid Saboni (of Aramark) on dose reduction strategies in Interventional Radiology (October 22 , slides available on request).

This was followed by a second session, given by Ting Lee reviewing recent literature on health effects of radiation exposure. Salient points from the first presentation were:

- Most IR equipment has dose reduction capability. Learn about these features and use them as much as possible, while recognizing there may be impacts to image quality;
- Using a low-dose setting will reduce dose to the patient, followed by a reduction in scattered dose to staff;
- Use protective shields as much as possible, including under-the-table shields and face shields;
- Place the image receptor as close to the patient as possible;
- Output dose of an IR with a digital detector will be lower than with a conventional image intensifier; and
- Use of PPE including lead garments and protective eye wear is required.

UPDATES

Personnel Updates

UPDATE ON DENISE SWAENPOEL

As many of you know, Denise Swaenpoel's contract ended in August. Since leaving Schulich Medicine & Dentistry, she's been busy. We asked Denise to provide an update on her progress in her new role:

"I am enjoying my new role as Executive Assistant at New Hope Community Church. I provide administrative support for our lead pastor, Greg Wyton, and I am working with the volunteers as well as assisting in coordinating various seminars for the Church. We offer several programs through our care network at New Hope, and I am happy to have the opportunity to work with the dedicated people who lead these groups. We offer two Candlelight Christmas Eve services from 6:00 - 7:00 p.m., and 7:30 - 8:30 p.m. on Wednesday, December 24"



MARGARET MOULTON WINS LHSC BASKET

Margaret Moulton was the proud winner of the basket being raffled off by London Health Sciences Centre on October 31.

The basket generated revenue of \$795 towards the Diagnostic Imaging Christmas Party.

Congratulations, Margaret, and thanks to everyone who contributed their efforts and donated goods toward its success

General & Academic Updates

As a reminder, LHSC's influenza mask policy came into effect on December 1. All non-vaccinated staff and physicians are required to wear a procedure mask in patient care areas such as clinical units, ambulatory care areas, and defined patient waiting areas. Masks will not need to be worn in places such as hallways, elevators, cafeterias, or the Tim Horton's line-up. Additionally, non-vaccinated visitors, patients attending ambulatory clinics and inpatients leaving their room will also be asked to wear a procedure mask. Proof of vaccination will not be required for our patients or visitors.

We have seen a strong start to LHSC's influenza immunization campaign with 60 per cent of staff already vaccinated. For those yet to be vaccinated there will be plenty of opportunity to receive immunization as clinics will be rotating throughout Victoria Hospital and University Hospital over the next two weeks.

Specific times for influenza clinics at each site can be viewed on the OHSS website. Influenza immunization is also available through the Occupational Health and Safety Department offices and from peer vaccinators.

Thank you for continuing to protect our patients and visitors throughout influenza season by either choosing to immunize against influenza or choosing to wear a mask.

RADIOLOGY UPDATE FOR COMMUNITY PHYSICIANS

On October 15, the St. Joseph's Health Care (London) Radiologists held an evening education session for London's Family Physicians and Specialists, called "Radiology Update for Community Physicians". Forty-five community physicians attended, and heard talks by: Dr. Olga Shmulovich, Dr. Zahra Kassam, Dr. Justin Amann and Dr. Greg Garvin.

In addition, Mylene Chafe from E-Health Ontario gave a presentation regarding the Ministry of Health's new initiative to make all of Ontario's digitally archived PACS images and reports available to the ordering physicians online using a new secure provincial server. This led to some lively (and skeptical) discussion from the audience. Feedback from the attendees was very positive. This may become a biannual event.

General & Academic Updates

EBOLA VIRUS UPDATE

The Ebola virus disease is a rare and severe viral disease. The virus can infect both humans and non-human primates (such as monkeys, gorillas and chimpanzees). When infected, people can get very sick, with fever, intense weakness, headache, sore throat and pains, and in severe cases, may bleed from different parts of the body (i.e. hemorrhage). The Ebola virus does not spread easily from person to person. It is spread through direct contact with infected bodily fluids, not through casual contact. Severely ill patients require intensive supportive care.

Based on the World Health Organization situation analysis, the following geographic areas are currently affected by Ebola virus disease: Guinea, Sierra Leone, Liberia and the Democratic Republic of Congo - Equateur Province (these cases are not related to the current Ebola outbreak in the countries of West Africa listed above).

The risk to Ontarians remains low. However, LHSC continues to work on preparedness plans for Ebola. The MOH and LTC issued a new directive specific to paramedic services land and air ambulance and first responders. Although not intended for acute care hospitals, it will directly affect LHSC. As of November 13, new electronic travel screening processes as well as LHSC's Ebola preparedness can be found on the intranet under the heading "Ebola Update".

UNDERGRADUATE PROGRAM UPDATE — JACKIE WINDSOR

At the RSNA Annual General Meeting (November 30 – December 5), all Undergraduate Program Directors met to share experiences around each prospective university's delivery of undergraduate education. Short, 10-minute presentations were prepared and discussed. Dr. Anil Shastry was unable to attend so Jackie Windsor attended on his behalf and presented our undergraduate education experiences and the new research project in collaboration with Dr. Lum regarding a survey that will be distributed to all Undergraduate Education Program Directors across Canada.

Dr. Rebecca Peterson from the University of Ottawa Chaired the meeting. Dr. Kari Visscher, a Resident in Medical Imaging, initiated a study around undergraduate education so her findings were presented at this meeting. Dr. Visscher has found that multiple exposures to radiology exist. Student ranking of importance varies depending on the year of training; and medical students value radiology education. They want exposure that is comprehensive and of high quality; and c) students are resourceful. They suggest ways to improve quality of exposure (both formal and informal).

Attendees were invited to take part in Dr. Visscher's study to explore ways around improving our undergraduate medical education as it relates to Medical Imaging, specifically. For more information or to assist Dr. Visscher, please contact her at kari.visscher@londonhospitals.ca

RESIDENCY PROGRAM UPDATE — RODGER MORAN

It has been a busy fall for both residency programs within the Department of Medical Imaging. Excitement is in the air as both programs get ready for the CaRMS season to begin and the PGY5's are getting ever closer to graduation.

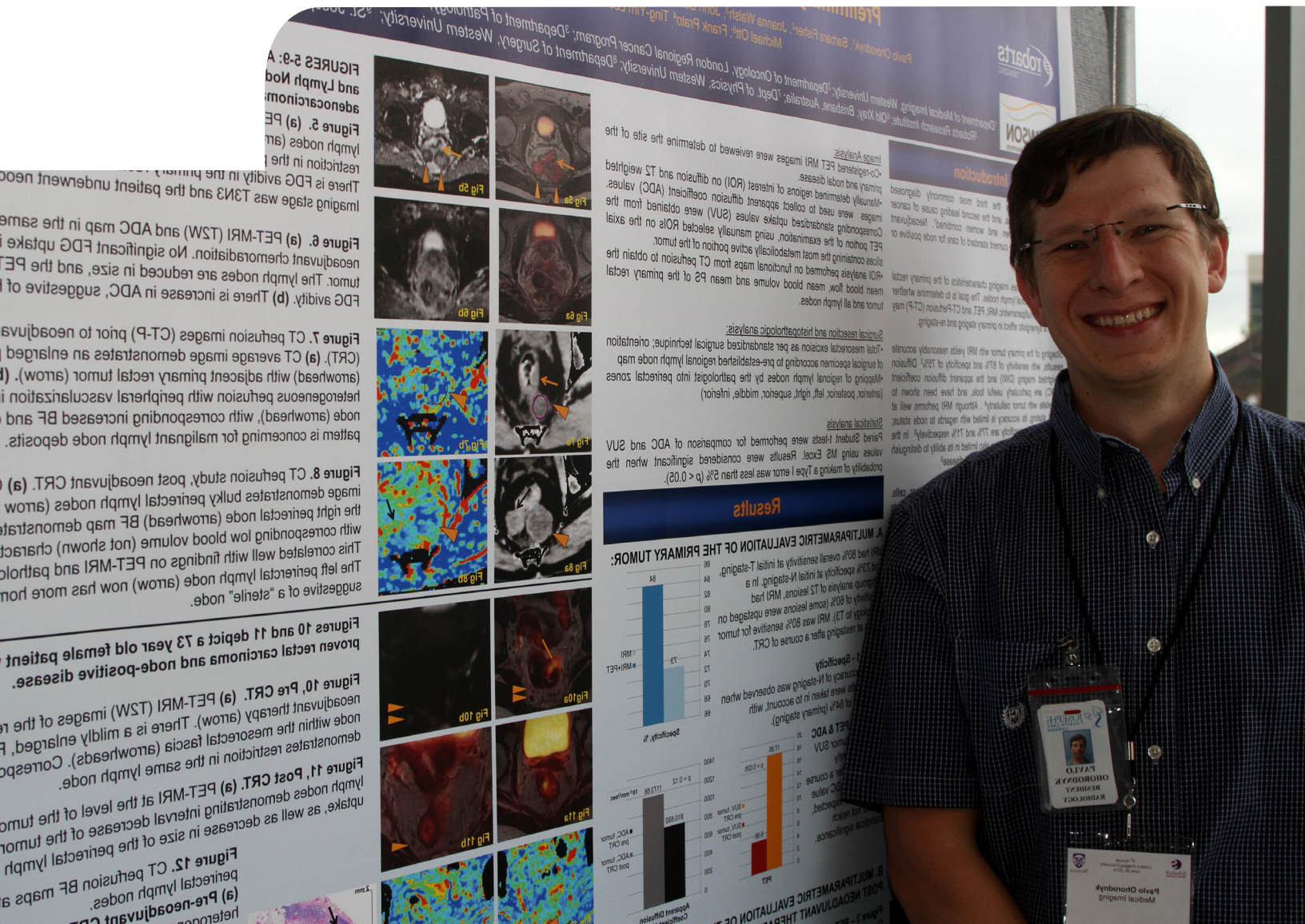
The Resident BBQ was a great success, as was the second annual Resident vs. Staff Softball Game. The staff failed to repeat as champions, as the residents scored a decisive victory (17-11). Pictures of both events are available on the Radiology Residency Program Facebook Page: <https://www.facebook.com/westernradres>.

In Nuclear Medicine this summer, we welcomed back one of our graduates, Dr. David Laidley, who is currently doing a fellowship specializing in Nuclear Cardiology. The summer also saw us welcome a total of 7 PGY1's into the department: Drs. Miad Alsulami (Nuclear Medicine), George Counter (Nuclear Medicine), Lina Hijazi (Nuclear Medicine), Klaudia Jumaa (Radiology), Harry Marshall (Radiology), Sohaib Munir (Radiology) and Vinod Ramlal (Radiology).

During the past several months, the Radiology Residency Program has been utilizing WebEX to deliver city-wide rounds. This has provided the opportunity for residents to have equal access to the same sub-specialty teaching regardless of which site they are stationed.

MEDICAL IMAGING | NEWS

For more information on Medical Imaging News, or to submit articles and/or provide feedback, contact **Jackie Windsor** at jackie.windsor@lhsc.on.ca or call x55004.



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