



the radiology report

Volume 1, Issue 5, August 2017

Program director update

Greetings comRADs! Another academic year draws to a close and the cycle begins anew. As I enter my fifth year as program director, I enjoy taking a moment to reflect on our recent accomplishments as a discipline. This newsletter helps do that. I encourage you to do the same. And if you find something that you think needs

improvement, I'm certainly available and willing to work with you in that regard.

Accreditation

We successfully completed our accreditation this year due to the combined efforts of many people. The preliminary verbal communication in September 2016 was full accreditation, which was confirmed recently by the Royal college subspecialty committee. It would be impossible for me to thank every-

one in achieving this goal. Nonetheless, thank you to the residency program committee, Dr. Maguire, residents, and faculty who have contributed to the success of our recent accreditation. A very big thank you to our administrative personnel including Jennifer Collins, Margie Chafe, and Rhonda

Marshall who were present at the time of this accreditation. Moving forward, the accreditation cycle will have several

changes and one of them will be a cycle of eight years. Therefore our next external review should be in 2024. We will be knee-deep in Competency by Design then!

Competency by Design

CBD implementation continues across the country. Several faculty development sessions will be necessary before this significant change occurs. The official roll out date for Radiology CBD

(Continued on page 4)

Program Administrator Update

Congratulations to our newest graduates of the program, Dr. Melanie Stenback and Dr. Nicole Myers who were successful in their Royal College exams in June! We wish them continued success as they enhance their careers and move on to their chosen fellowships!

Also, a sincere welcome to our newest PGY1 residents, Michael Sloan, Claire Woodworth, and Mark Hayward. We are thrilled to have you join our program and we hope that you find your first year rewarding. We look forward to being a part of this new experi-

ence as you progress to become a radiologist! This winter has been a busy one, with accreditation finally winding down, new and exciting projects continue to keep the academic office extremely busy. We have been introduced to and are excited to learn that D2L is now the new and seemingly improved *Brightspace!* I attended (along with our Program Director and Research Assistant), a local conference featuring many of the individuals and brains behind the new Brightspace and learned that there are some new features coming which we hope to learn more about sooner rather than later, and eventually implement as part of our

program. Along with Brightspace, is a new online streaming teaching tool which will replace our current BlackBoard Collaborate and will hopefully become a much user friendlier tool for our daily site to site teaching. Stay tuned...

We successfully held the year end Radiology social which celebrates the accomplishments of our staff and residents. It is a great opportunity to introduce our newest Radiology residents. Thank you so much to our

Chair of the Discipline, Dr. Conor Maguire and his wife for hosting the social in their home.

We also celebrated and introduced two of our newest staff additions, Ms. June Maguire who is the new as-

(Continued on page 2)



Photo credit: Dr. David McComiskey

(Continued from page 1)

sistant to the chair, and Ms. Michelle Simms, our research assistant. Both have proven to be great additions to our program and are keen to learn new things.

Informal introductory lunches were hosted by Dr. Hartery and Dr. Maguire, at both the Health Science Centre and St. Clare's Mercy Hospital, wherein a great opportunity for networking was provided for all who were able to attend.

Dr. Hartery and I have been busy creating new PowToon Video snippets to help introduce CBD. The Snippets were very well received by the Royal College

and we are currently doing the same for our orientation. The Royal College has since asked for our assistance in creation of their own videos, which is a huge complement to us both!

I attended, in April, as a member of the Faculty of Medicine's Steering Committee on Competency By Design (CBD) a meeting with Royal College members wherein I was able to chat informally and ask questions directly related to CBD. Open sessions were also held in an effort to begin the process of faculty and staff development in this area.

The Program Administrator's National Advisory Committee on CBD has been having regular teleconferences which I continue to attend. These are great

sessions that provide opportunities for me to ask any questions I have, or that you may have about CBD. I am happy to ask on your behalf, just drop me a line!

The International Conference on Residency Education (ICRE) is coming soon, in October and I hope to attend this year in Quebec City. It will be a great opportunity to network with the other PA's from across the country and to meet in person with my colleagues who join me on the Program Administrator's National Advisory Committee. I'm certain CBD will be at the top of the agenda!

If you have questions about CBD or the academic program, please let me know.
-Jennifer Collins

Message from the Discipline Chair:

Another academic year has flown by and what a productive and successful year it was! I greatly enjoyed celebrating this success at our recent year end social. The warm and collegial atmosphere within our academic discipline is a significant strength.

Please join me in thanking Dr. Angus Hartery, the original "ComRad", for reviewing some of the highlights in this year-end edition of the Radiology Report.

The continued and improving academic accomplishment of our discipline is a testament to the talent, dedication and supportive teamwork of our faculty, residents and administrative staff.

It is important to pay tribute to the tireless individuals who have assumed academic leadership roles:

Dr. Angus Hartery – Postgraduate Residency Program Director

Dr. Jeff Fleming – Research director

Dr. Wes Chan – Undergraduate Program Director

Dr. Jennifer Young – Simulation Learning Lead

Dr. Eric Sala – CME director

They continue to enhance the organization of our academic discipline and have positioned us for future success and progress. Their ongoing dedication is manifest in all aspects of our program, as evidenced by many of the items in this report edition.

Please accept a big "thank you" to you all from your grateful academic chair.

Dr. Conor Maguire

Welcome CaRMS Matches!

The Memorial Discipline of Radiology extends a warm welcome to our new PGY1s! Here is a quick intro to each of them and now you have a face to match the names!

Mark Hayward



I was born and bred in St. John's. My post-secondary education brought me to Ontario for a Bachelors of Science (University of Toronto) and Bachelors of Education (Trent University) before I circled back to home to work as a high school science teacher. While substituting in the local schools, I was fortunate to team up with Dr. Bryan Curtis and Dr. Vernon Curran to complete my Masters in Medical Education ("Improving Evaluation of the CanMEDS Collaborator Role: Reliability of the Interprofessional Collaborator Assessment Rubric (ICAR) and Gender Bias in Multi-Source Feedback").

Outside of the classroom, athletics dominates my life. Growing up in the Quidi Vidi area of St. John's, the Royal St. John's Regatta was a big part of my life. I rowed for the University of Toronto and travelled to the Canada Games in 2005. I was a varsity cross-country runner for both Trent University (2009) and Memorial University (2011 - 2014), serving as the captain for my final 3 years. I tried my hand at triathlon as well and completed two half-Ironman events in Texas (2013) and Muskoka, Ontario (2014).

I am extremely grateful to be welcomed here. I look forward to learning from all of the tremendously positive staff.

Micheal Sloan



Hello everyone! I'm from St. John's, NL, and have completed both my BSc. and medical school at Memorial University. My area of interest is interventional radiology and over the past year I have been involved in research comparing the effect of intrapopliteal plain balloon angioplasty vs. drug-eluting balloon angioplasty on limb salvage and mortality rates in patients with critical limb ischemia. This work has been done under the guidance of Drs. Ravi Gullipalli and Andrew Dalton. I am excited to have the opportunity to build on this work over the coming years.

Outside of medicine, I love to stay active by playing hockey, golf, and pretty much any other sport I can get involved in. I'm also an avid hiker and love being outdoors. I've also been heavily involved in music for most of my life. Drums are my instrument of choice and I dabble with many others. I'm extremely grateful to have the opportunity to complete my Radiology residency at Memorial and I look forward to working with all of you!

Claire Woodworth



Hello everyone! I'm from St. John's. When I'm not at the hospital I can be found walking my two big dogs or distance running. Before medicine I studied English language and literature at MUN and McGill so I sneak in fiction reading whenever I can. I'm thrilled to have matched to the MUN radiology program! Through doing research with Dr. Hapgood in medical school I've seen how knowledgeable and friendly everyone is in the department. I can't wait to be a part of it!



Photo credit: Dr. David McComiskey

(Continued from page 1)

is 2021. In 2019 the Radiology

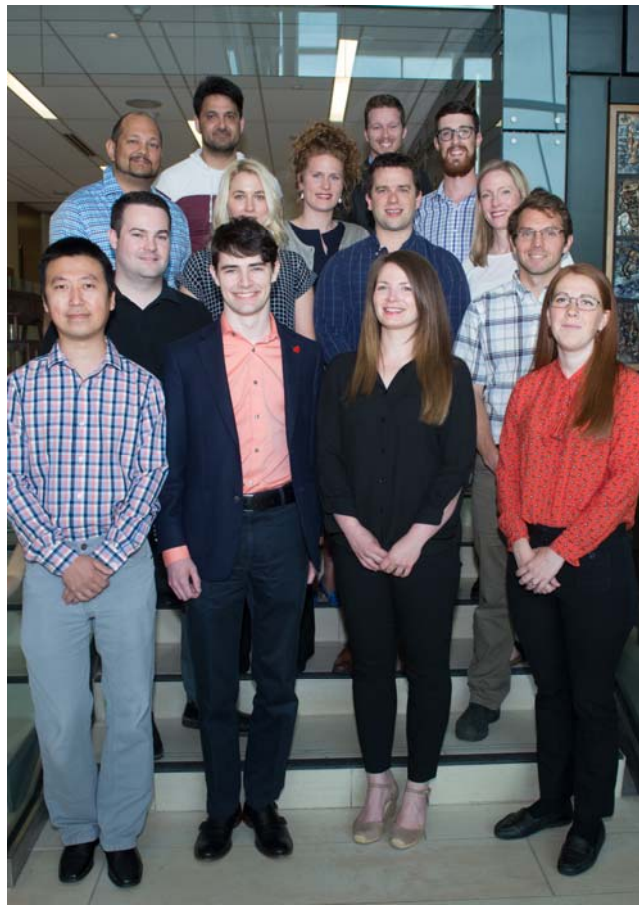
subspecialty committee begins formal discussion on Radiology CBD. Much more information will be available then. Jennifer and I hope to have more information regarding CBD after the 2017 International Congress Residency Education being held October 19 – 21st, 2017 in Québec city. If you have any questions about Competency by Design I encourage you to reach out to Jennifer and myself. In the meantime, if you have not watched our CBD video snippets I encourage you to check them out: YouTube playlist <https://goo.gl/3BTWby>

Good Luck to Former Residents

I congratulate our recent Royal college applicants Dr. Nicole Myers and Dr. Melanie Stenback for successfully completing the Royal college certification exam in Radiology. Many thanks to the radiology faculty who went above and beyond with additional teaching sessions for our residents to ensure they had the review they needed. Our staff here have a high engagement rate with the Royal College certification exam—that is something we should all be proud of. I also congratulate each and every resident for being promoted to your next level of training. All of you are working very hard and being promoted from year to year is an important thing to celebrate in-and-of-itself.

Welcome New Residents

Welcome to our PGY2s Jason Retallick and Daniel Duggan on starting the official radiology component to your residency training. My experiences with both of you have been nothing but positive thus far in your residency career. One of the more exciting parts of my job is the enthusiasm and eagerness that our junior residents bring to the discipline. On that note, I also welcome our incoming PGY1s. I have worked with you all to some extent in your medical school and I look



Radiology Residents: Top row: Angus Hartery, Peter Gianakopoulos, Mary Beth Bissell, David McComiskey, Michael Sloan. Middle row: Daniel Duggan, Hilary Coffey, Andrew Dalton, Nicole Myers, Mark Hayward. Bottom row: Ning Su, Jason Retallick, Melanie Stenback, Claire Woodworth

forward to working with you more throughout your time here. I'm excited to see what our discipline will bring to you and what you will bring to our discipline :-)

Last Year and This Year

I reflect back on this year and I think we've had some positive things happen. The radiology interest group has blossomed with enthusiastic faculty, students and residents. There is a growing interest in simulation in our discipline and I look forward to seeing what some of our faculty will be bringing forward in this domain. Our residents continue to show impeccable leadership and academic prowess. Many residents have stepped up to teach anatomy in the medical student labs (I've heard nothing but fantastic reviews about this). Our current PGY3's are creating and delivering formal academic rounds in emergency radiology, which is partly coordinated by Dr. Dalton. This is the sort of interdisciplinary collaboration that moves our faculty forward and will only improve patient care. Dr. Bissell earlier this year had taken the lead in organizing an ultrasound workshop for our local medical student MUN-DAL conference. The residency research program under the guidance of the stellar

Dr. Flemming has really taken shape with online modules and milestones. We have multiple medical students involved with faculty in radiology projects, with several of them presenting at radiology conferences. We've even enjoyed the success of one of our medical students winning first prize in radiology trainee research this year. Congratulations to you Jessica Common!

All of these things are what makes me proud to be the program director here. I look forward to our next academic year here. I look forward to the challenges, I look forward to accomplishments and I look forward to working with like minded people.

Onwards and upwards ComRads...*Angus Hartery*

HSIMS Support – THANK YOU!

The Discipline of Radiology would like to take an opportunity to send a huge *thank you* to our Health Science Information and Media Services otherwise famously known as HSIMS in the Faculty of Medicine. Your support and assistance with the success of this newsletter and a growing number of other projects is greatly appreciated. Thanks to the photographers, website support personnel, Desire2Learn administrators, and web streaming personnel for your advice and expertise whenever we needed it. We look forward to continuing to work together on some exciting new projects!

2017 MUN Discipline of Radiology Awards

Every year we celebrate our academic achievements with our local awards at our end of year social. This years winners include:

2017 Dr. Richard Harley Resident Research Award

Dr. A Dalton

The Use of Drug Eluting Bal-

loons for Treating Critical Limb ischemia in Patients with Infrapopliteal Disease

2017 RSNA/AUR/ARRS Introduction to Academic Radiology Program

Dr. A Dalton

2017 Resident Undergraduate Teaching Award

Dr. A Dalton

2017 Resident Postgraduate Teaching Award

Dr. MB Bissell

2017 Dr. Benvon Cramer Resident Leadership Award

Dr. J Greene

2017 Radiology Faculty

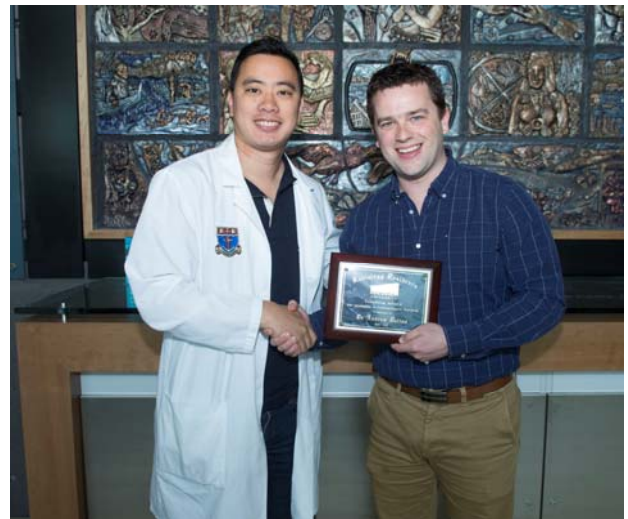
Teaching Award

Dr. S Harris

Congratulations to this years winners, and most importantly, congratulations to ALL residents and Faculty on your academic contributions!



Dr. Bissell receiving the Postgraduate teaching award from Dr. Hartery. *Photo credit: Dr. David McComiskey*



Dr. Dalton receiving the Undergraduate teaching award from Dr. Chan. *TPhoto credit: HSIMS*



Dr. Harris receiving the Faculty teaching award from Dr. Gianakopoulos. *Photo credit: Dr. David McComiskey*



Dr. Dalton receiving the Dr. Richard Harley Research Award. *Photo credit: HSIMS*

Discipline of Radiology Research Update

The progress in developing our research program continues. There were specific weaknesses raised in the last Royal College accreditation and I will try to speak to how we are specifically addressing each in the newsletters.

Grant Funded Research

The team at the new Nuclear and Molecular Medicine (NMM) has been extremely busy applying for grant funding for a number of projects primarily for the development of novel radiopharmaceutical for prostate cancer and breast cancer. Dr. Vincent Bouvet and myself have been successful in securing \$20,000 in seed funding for various projects and we are awaiting word on multiple other submissions. We have also developed the Molecular Imaging in Prostate cancer interest group which is composed of individuals from the NMM as well as oncologists, Michelle Simms and 2 patient partners so that we may become involved in a relatively new endeavor from the CIHR regarding patient oriented research. Michelle has been heavily involved in learning the ins and outs of this exciting new avenue for the disciplines research, and we have already applied for one POR grant. I had the opportunity to present our prostate cancer research direction to

the prostate cancer support group a couple of months ago, and I believe this new direction will be essential in developing a comprehensive research and clinical program.

Publishing Research

First of all, Congratulations to Dr. Diane Colbert for participating in a recent letter to the editor to the Canadian Journal of Neurological Sciences regarding Leg Pain disclosing a Lung Cancer. She collaborated with Drs Goodridge and Kahangy. Such interdisciplinary collaboration with our physician colleagues is a key component to the success of our discipline.

We are attempting to make publishing easier. I have met individually with all residents regarding research to ensure they are on track with the milestones that we introduced last year, as well as to emphasize the importance of publishing and to attempt to find areas where we can assist in this endeavor.

One way we are doing this is through an improved relationship with our librarians. We have developed a mechanism to assist with the parts of publishing that people have told me are the most onerous. This includes choosing a journal and writing the manu-



Dr. Bissell taking the lead on the recent journal club discussing the use of ultrasound versus CT in evaluation of urolithiasis in the emergency setting



Inquiring minds at the recent Journal Club

script. To assist in journal selection Pam Morgan (our librarian) has agreed to meet with anyone who is interested and review potential journals for content, cost, and any open source options that might be available. She has also agreed to review manuscripts prior to submission, to evaluate that the writer has adhered to guidelines to decrease the likelihood of having to perform multiple rounds of correction. We are also developing a website containing high yield information about the publication process from start to finish. **The bottom line is if you have a project that you wish to publish contact Michelle Simms, myself or any member of the DIRADS group and we will be happy to make it as painless as possible.**

Online Modules

As part of the resident research program we will be introducing our online modules this year and we will implement a research ITER so that we are better able to follow each residents progress.

(Continued on page 10)

(Continued from page #)

Canadian Association of Radiology Annual Scientific Meeting



This year there were a number of incredible tracks and topics including talks on Artificial Intelligence, Acute Stroke Care, emerging uses of dual energy and Oncology complications. The interactive course this year covered high resolution chest CT.

There was a great debate hosted by Andre Picard from the Globe and Mail which featured Drs. Robert Ouellet, Gaétan Barrette, and Brian Day on the future of Canadian Health Care. Dr. Barrette is a radiologist who happens to be Quebec's health minister. Dr. Day is an orthopedic surgeon who owns a private clinic in BC and is currently in the Supreme Court of Canada fighting to open up the Canadian Health Care Act.

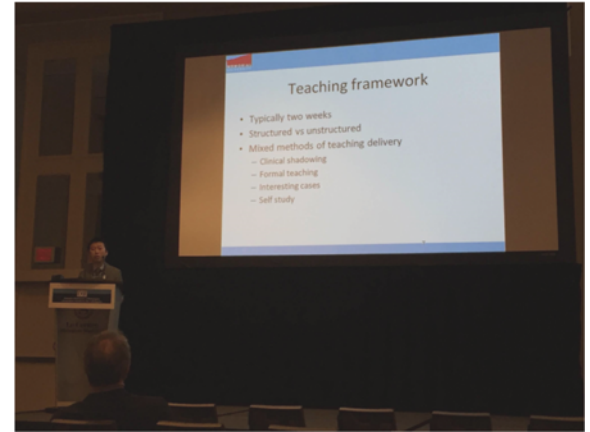
Dr. Brain Goldman from CBC's White Coat Black Art also spoke during the meeting which was quite interesting.

Memorial radiology was well represented

at the meeting. Some of our local discipline highlights include:

Dr. Scott Harris:
Member of Board of Directors

Dr. Angus Hartery:



Dr. Su captivating the audience on the Radiology Elective Experience. Photo Credit Dr. Wes Chan.

Attendee: Canadian Radiology Vice Chairs & Associate Chairs of Education meeting

Attendee: Annual Canadian Radiology Program Directors Meeting

(Continued on page 8)



Tweet referring to 3D Printing Project by Jason Kinnin and Dr. Gullipalli

Discipline of Radiology UGME Update

First of all, I would like to extend my sincere thanks to all staff & residents who have volunteered their time and energy to provide lectures/tutorials to the medical students over the past year.

Radiologists are increasingly involved in undergraduate medical teaching, particularly in the area of anatomy. For example, in the past year we piloted 2 ultrasound sessions in Phase 3 using ultrasound to reinforce renal and abdominal anatomy. These sessions were well received and will become part of the curriculum in the next academic year. Thanks to Drs. Hapgood, Hartery, and Sala for helping with the sessions.

We are integrating more radiology into the curriculum by giving new combined sessions with clinicians. Drs. Jeon, Wadden, and I have given sessions on IBD, breast cancer, and lymphoma. Additional sessions are also planned for the new year.

The annual Radiology Boot Camp was recently held on June 15th. Despite construction to the department, it went well and was again well liked by the students. For many, this was their first real exposure to Radiology. Thanks to Drs. Skanes, Young, Dalton, and Gianakopoulos who gave lectures to the students and to Drs. Coffey and Greene for helping conduct department tours. Drs. Bissel and Dalton also gave lectures on trauma radiology as part of the pre-clerkship week.

At a national level, there was a meeting of undergraduate leads at the recent CAR conference where we finalized a national curriculum which will soon be published. I plan to modify all current teaching objectives so that they are online with the new curriculum. We also laid the groundwork for a national bank of interactive online modules that our medical students will have access to. These will cover both radiologic anatomy and pathology.

(Continued on page 10)



Jessica Common with mentors Dr. Byrne and Dr. Bhatia holding the coveted 1st place Radiologist in training award (inset) *Photo Credit: HSIMS*



Drs. McComiskey, and Chan congratulating Ning Su after his presentation. *Photo Credit: Dr. Lisa Smyth*

(Continued from page 7)

Oral Presentation: “Abdominal imaging – Mistakes we all make”

Moderator: Resident hot seat session

Dr. Wesley Chan:

Attendee: Annual Canadian Radiology Undergraduate Directors Meeting

Drs. Ning Su and Wes Chan:

Oral Presentation: “Radiology Electives: Strategies to Improve the Student Experience”

Dr. Lisa Smyth:

Presenter: Resident Case Reviews – Chest Imaging

Michelle Anderson, Med IV and Dr. Gullipalli

Poster Presentation: “Endovascular Interventions in Diabetic Foot Ulcers: Knowledge and attitudes of family physicians in Newfoundland and Labrador”

Jessica Common, Med IV and Drs. Mariathas, Byrne, Bhatia

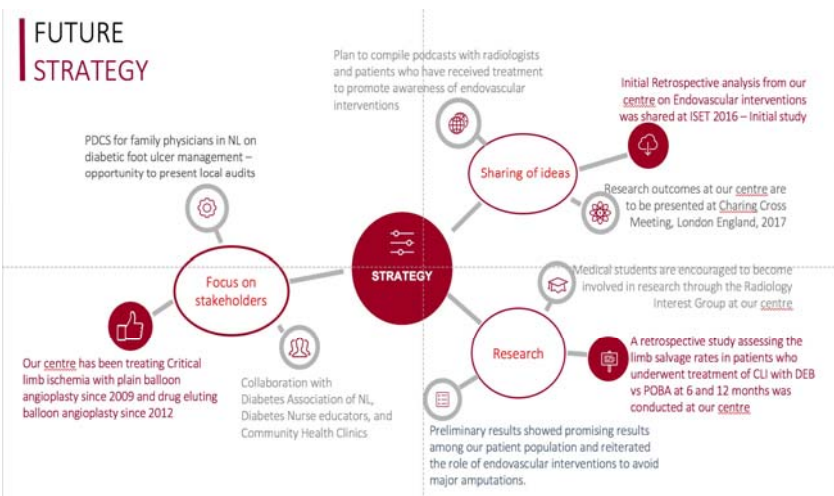
Oral Presentation: “Reducing Wait Time for Lung Cancer Diagnosis and Treatment: Impact of a Multidisciplinary Centralized Referral Program ” **Congratulations on winning first prize on the Radiologist in Training Research Contest!**

Jason Kinnin, Med IV and Dr. Gullipalli

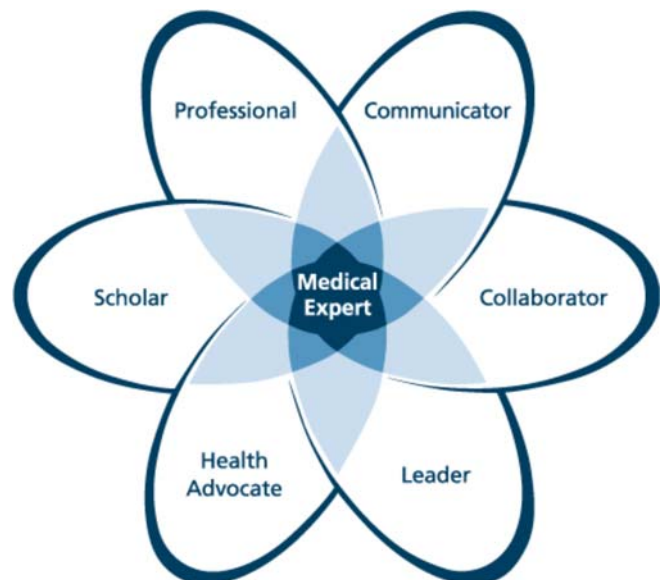
Poster Presentation: “Interventional radiology education using 3-D printed vasculature”

Congratulations to everyone for your participation and presentation at this meeting!

Dr. Scott Harris



Sample slide from Michelle Anderson and Dr. Gullipalli’s presentation



Good Luck PGY5s

It has been a pleasure to complete my radiology residency at Memorial.

The program consists of a close knit group of radiologists, staff and residents who sincerely want to see each other achieve their goals. The residency has provided great opportunities for hands on learning, research and exam preparation. I would like to sincerely thank the radiologists and staff who have provided support and guidance over the past five years. It has meant a lot. This year I will be pursuing a fellowship in Neuroradiology at University of Calgary.

Dr. Nicole Myers



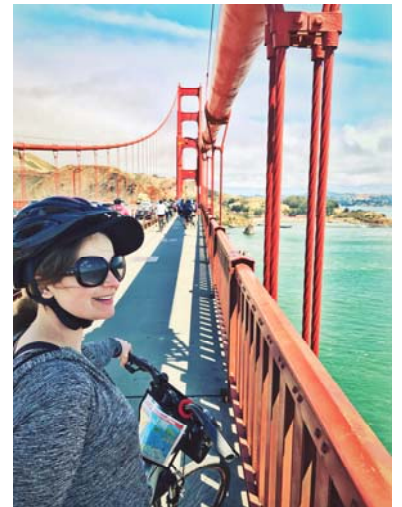
Photo Credit: HSIMS

The days were long, but the years were short. I'm grateful to have experienced the whirlwind that was residency at Memorial. Thank you to everyone who made the journey a memorable (and successful) one. Next stop on the crazy train is Stanford University for a cardiothoracic imaging fellowship. See you soon NL!

Dr. Melanie Stenbeck



Photo credit: Dr. David Mccomiskey



Current and Future Resident Research

As always, the residents did an excellent job of presenting their research and representing our discipline at various national and international conferences throughout the year.

Congratulations to Dr. Mary Beth Bissell, who with radiologist Dr. Lisa Smyth, had a 1st place poster presentation at the Atlantic Radiology Conference in Halifax, titled "Radiologic review of ductal carcinoma in situ". As well, the Newfoundland and Labrador Association of Radiologists Annual Scientific Meeting in Corner Brook in February highlighted some of the great work being done in the discipline. Dr. Andrew Dalton, under the supervision of Dr. Ravi Gullipalli, won 1st prize for his oral presentation "Infrapopliteal Interventions with Drug Eluting Balloons vs Regular Balloons in Critical Limb Ischemia-a single centre, real world experience".



Image from recent case report Dr. Colbert contributed to

In 2018 we plan to have a local research day in addition to NLAR. This is still in the early planning stages but will allow medical and eventually graduate students, taking part in radiology research as well as residents and more of our staff to be involved and network.

Radiology now has an accredited journal club! We had our inaugural meeting January of this year. Our guest speaker, Dr. Robert Wilson from Choosing Wisely NL, took the opportunity to discuss critical appraisals of journal articles with the residents and members of staff who gathered after work at BIGS restaurant. This was followed in May by another excellent discussion led by Dr. Mary Beth Bissell. I would like to thank Dr. Jillian Greene for doing such a great job in organizing these. These were great opportunities to improve our scientific and statistical acumen in a relaxed but interesting and informative way. We plan to meet quarterly and our next meeting will be in fall of this year. Keep an eye on your email for more information as the time approaches!

Dr. Jeff Flemming

(Continued from page 7)

Dr. Pickles is currently working hard on upgrading the UGME radiology elective. I asked Dr. Pickles for an update: *"With recent changes to the medical curriculum there will be more students participating in radiology electives. To ensure there is more uniform and standardized curriculum I have started to create an online teaching module. At present I have completed the initial module entitled an introduction to radiology. This covers the requisition, radiation and MRI safety and appropriateness guidelines. The module consists of a pre and post test as well as a satisfaction survey. The second module is a chest module with an introduction to reading a chest X-ray, positioning and common pathologies, and when to order a CT. The third module, based on MSK, has been started. Wes has created a neuro module which is excellent and I hope to add a second chapter to this to cover the spine. I have three other modules I would like to complete including abdominal imaging and ultrasound. I trialed the first module to a group of medical students and it was very well received. I have full ethics approval for the evaluation of all the modules, if anyone is interested in jumping on board. I have also had some interest in using this as a continuing medical education tool through the office of professional development."*



Dr. Dalton educating young minds during the Radiology Boot Camp. Photo Credit Wes Chan

I hope to continue to report good news in the upcoming year. - Dr. Wes Chan