



# the radiology report

Volume 1, Issue 9, July 2020

## 2020: The Year MUN Radiology went Virtual

**W**hat a year it's been - and it's only half over! Back in January when a regional State of Emergency was a big deal, our discipline showed great adaptability by hosting CaRMS interviews entirely online. Since then, our administrative staff, radiologists, and residents have responded to a worldwide pandemic by coordinating a full teaching schedule over various virtual platforms. Most recently in June, Dr. Collingwood, Chair of the Discipline of Radiology, hosted a virtual year-end party that was wildly entertaining for all attendees. There were a few lessons along the way, but overall it's been a seamless transition.



January 17, 2020: Over 70 cm of snow was dumped on St. John's 3 days before CaRMS interviews, shutting down the city and any hope of applicant travel. Together with our administrative staff, Dr. Hartery, our program director, quickly transitioned to an online platform, offering all applicants the chance to interview via telephone or Skype. A brand new two-day schedule was created over the weekend to simulate the in-person experience with three 15-minute encounters for applicants (two staff "rooms" and a resident "room").

The conversations were varied and interesting, leaving interviewers with a good sense of each applicant's strengths.

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Representative sample of the Virtual 2020 Year End Radiology Social

# 2020: The Year MUN Radiology went Virtual

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Interviews and ranking were entirely done from home. Sweatpants may or may not have been part of the official attire below the level of the cameras. It was a lot of fun for all interviewers involved, inspiring Ms. Collins to call it "CaRMS durin' starms" (said with a thick local accent). We ultimately matched four excellent applicants, making it a very successful venture that was already adopted by another local discipline. If we need to repeat remote interviews someday, we may consider short videos to introduce applicants to our program and facilities to aid in the ranking process.

March 20, 2020: Dr. Hartery delivered the first virtual rounds, "Gastric Pathology," after MUN discontinued in-person instruction in response to COVID-19. During this lecture I was very surprised that I had not yet heard of emphysematous gastritis. This bewilderment was short lived: that very night I encountered my first case on-call, reaffirming that a continuous teaching schedule is essential throughout residency! Since then, we have seen many innovative lecture styles from numerous radiologists. Dr. Young organized a series of "flipped classroom" lectures. For these, residents completed a subspecialty quiz made by Dr. Young before each lecture. During

the lecture we then each took a question, providing in-depth explanations to our peers about every MCQ option with staff supervision. Dr. Hapgood hosted two unknown case competitions with stellar prizes for the top junior and senior resident. Multidisciplinary clinical rounds were also made available to residents. Ms. Collins aptly termed our new teaching "academics in pandemics." In total we have had over 40 remote lectures and counting!

Issues with video and audio quality on various platforms led us to use Microsoft Teams, which has the added benefits of security and confidentiality. Because we already streamed rounds across sites the transition to remote learning was an easy one. The new Microsoft Teams platform has the benefit of allowing residents to attend and contribute from wherever, making it possible to still receive teaching when post-call or on leave. A major disadvantage was losing the Interesting Case Rounds as scrollable cases present significant image quality issues. We also miss subspecialty staff's back-of-the-room insights as well as (of course) the pizza. Talking to other local and national residents it is clear that our teaching has been exceptional during this time; we genuinely thank each staff member for their dedication and expertise.

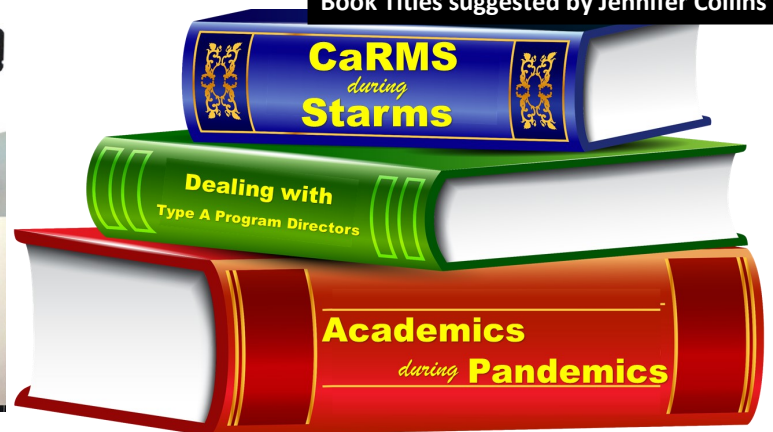
June 12, 2020: The virtual year-end party brought a lot of laughs and more tears than I have seen in previous years. Several touching speeches and tributes were given as we said goodbye to our PGY5 residents and thanked Dr. Hartery for an exceptional job as program director. Entertainment was provided in the form of a department-themed Jeopardy quiz that saw the PGY5 as contestants for one last oral exam. Questions were themed around departmental history, administrative staff, radiologists, and current residents. Two fun categories made the boys identify radiologists' faces on celebrities' bodies as well as photos of radiologists as kids. Puns guided the contestants for the latter category (e.g. "this is an excellent radiologist, no bones about it"; answer: Dr. Hogan). Ultimately Dr. McComiskey eked a last minute win over Dr. Dalton, and we all learned some local history in the process. It was a lot of fun to see the various streams of attendees in their homes, spread over several pages on Zoom. As of the time of writing this, I haven't yet heard what catchy name Ms. Herlidan dubbed the party, but it certainly deserves a good title. While this was a lot of fun, there's no substitute for in-person connection; I am sure that I am not the only one looking forward to our next gathering!

-Dr. Claire Woodworth



6 Dedicated Virtual CaRMS interviewers

Book Titles suggested by Jennifer Collins



# Welcome from the New Program Director



I would like to introduce myself as the new Program Director of our phenomenal Residency Program. I am so excited to take on this responsibility,

and am beyond thrilled to have such a great team of colleagues here locally and across Canada to join me in leading Memorial University's Radiology Residency Program into the future.

Making the decision to vie for this role was an easy decision for me. Having worked adjacent to Dr. Hartery for the last 5 years, has given me some exposure to the ins and outs of the position. The program has come so far in the last few years, with great leaders at the helm. There has been phenomenal groundwork done with regards to teaching, evaluation, research, and CaRMS, and it is my hope to help to continue that in the years to come as we navigate the changes that will come with the shift to Competence by Design. With the wisdom of Dr. Hartery at my fingertips, Dr. Young leading the Competence by Design crusade, the phenomenal academic support staff Jennifer Collins, Stephanie Herlidan, Karen Hayward and Michelle Simms, great research initiatives led by Dr. Flemming, the backing from our Academic Chair Dr. Collingwood, a great group of eager and receptive Residents, and a strong Residency Program Committee, this felt like the perfect time to embark on this adventure.

My vision for the program is simple; a positive and effective resident-centered learning environment in which we are committed to academic and clinical excellence. This will be challenging and achieving this will be through a multifaceted approach. I have

many ideas about things I would like to bring to the program through faculty development and through nurturing a safe and supportive learning environment. This program is in a great place, and I can't wait to see where this program goes in years to come.

To finish, I would like to include what I believe to be the responsibilities of a program director, paraphrased from Memorial Universities Program Director Job Description. I commit, to both Faculty and Residents, that I will try my best to fulfill these responsibilities during the course of my tenure. I will be approachable and open to suggestions, critique, and of course compliments :). I can guarantee I will not be perfect in this role, but I strongly encourage feedback, and promise to use it appropriately to modify or make changes as necessary.

## **The Role of a Residency Program Director:**

*To develop, evaluate and disseminate innovative assessment methods both summative and formative*

*To create teaching and learning methods appropriate to the training specific objectives of each program*

*To pursue activities in medical education scholarship including professional development*

*To implement training requirements for the training program as defined by the Royal College of Physicians and Surgeons of Canada*

*To provide oversight, organization and accountability of the activities of the education program including and not limited to:*

*Selection of residents for admission to the program*

*Resident training rotations*

*Resident assessment in all CanMEDS roles*

*Resident evaluation and promotion in accordance with PGME policies*

*Program evaluation and program review*

*Appeals process*

*Facilitation of career planning*

*Development of a formal teaching program*

*Counselling of residents*

*Promote resident well-being*

*Resident advocacy skills and interests*

*To implement postgraduate office policies and procedures*

*To ensure a positive learning environment free of intimidation and harassment*

*To develop and implement a communication strategy within and external to the discipline*

*Prepare for the internal and external accreditation review process*

*Plans and advocates for the growth of the program*

*Ensures compliance of PARNL contract*

*Evaluates and recommends trainees for promotion in accordance with existing policies and the RPC*

*Ensures that appropriate counseling services are made available to residents and responds to their difficulties such as those related to stress, wellbeing, or learning challenges.*

*Ensure completion of ITERS in a timely manner (within 28 days of rotation completion)*

*Committee responsibilities*

*Chair, Program Residency Training Committee*

*Member, Discipline Education Committee*

*Member, Postgraduate Education Committee*

*Corresponding member, Royal College Specialty Committee (if applicable)*

*- Lisa Smyth*

# Program Administrator Update

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I want to start this article by extending a warm welcome to our newest residents, Sarah Hogan, Joseph Yang, Ashley Gabriel, Allison Kavanagh, all joining our program on July 1<sup>st</sup>. We are excited to have each one of you join our group and look forward to working with you as you begin this new chapter in your careers. Our first ever, virtual resident orientation is fast approaching and preparation is going well, with confirmation of a number of our phenomenal staff attending remotely to give you all some advice, guidelines and policy which I am certain you will find informative. The chief resident Dr. Dugan is also busy preparing some great information for you. The administrative staff will also be in attendance to provide a must-see presentation which will captivate you and leave you with everything you ever wanted to know about admin-

istration in residency!

Our three graduates this year are busy preparing for their fellowships, all the while also preparing for the Royal College exam this fall. The pandemic has certainly forced us all to adjust and the Royal College is no exception, making unprecedented modifications to ensure examinations are done and residents all over the country get the certification they so well deserve. I know I speak for all of us in the department when I say that we wish Andrew, Su, and David the very best in the exam and in the future.

What's happening on the admin front?

Well, we are all continuing to work from our homes, and even had a virtual year end party, another first for our discipline. It went exceptionally well, with lots of laughs and a few tears.

We've also continued with our simulated exams, which have also been great successes, thanks to our staff as well as the simulation centre staff for their assistance along the way. Thanks also, to both Dr. Jenny Young and Ms. Stephanie Herlidan, for their time and dedication in organizing these simulated sessions. Stephanie, I must add, literally started in the academic office the day before and was thrown into the exam the very next day! We couldn't do these exams without the help of our dedicated staff members. Thank you! These exams will most certainly look a little different now, as we all adjust to our "new normal" with more information to come on those.

Regarding CBD, the only update for now is the receipt of a tentative invite to the Royal College Subspecialty Meetings

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## Program Chair Update

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Below is a slightly modified version of the speech given by Dr. Collingwood at our year end party.

I welcome you all, special welcome to our Corner Brook colleagues, scientists, new residents and graduating residents.

I want to say a few thank yous.

I want to thank my predecessor Dr. Maguire for all his hard work which has made my job so much easier. Before Conor we did not have an academic office and we did not have the full complement of office staff that we have now. Thank you for passing on the torch. To you from failing hands we throw the torch, be yours to hold it high.

And thank you to Rhonda Marshall for teaching me the job!

Thank you to all our incredible academic office staff.

Karen joined us in the fall. She has done a fantastic job. She is very easy to work with and has accomplished so much. She prepared this year's budget for presentation to the Dean and senior leadership. It is a very important task, and it was a great success. The hardest part for her is dealing with me, I am sure.

Stephanie. So glad you are back and feeling better. You are essential to our teaching program. We were lost when you were not around. Jennifer, what can I say? You are an essential part of our discipline!

Michelle, you are doing an amazing job with our research and scholarly activity. We can't thank you enough. Jeff Flemming.

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# Discipline Chair Update (cont'd)

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Thank you for always going the extra mile clinically and academically. Your leadership as Research director has paid fantastic dividends. Your push to increase our number of peer reviewed publications has been highly successful. Jenny Young. Thank you for all the simulation work you are doing and for being our lead in CBD. You are very dedicated and motivated, and it shows.

A special thanks to our scientists, who often go unnoticed. Your work is very important to the discipline. I want to thank Bassam and Ed for the Physics teaching .

I want to thank Angus for his exemplary job as our PD. There are no words to adequately thank him enough. I welcome Lisa Smyth as our new PD.

However the real backbone to our discipline is our (I dislike the title) part-time faculty. Your participation and dedication

to teaching and learner supervision is unparalleled in the faculty of Medicine. The level of research and presentations is astounding, especially considering the extensive clinical responsibilities you have. There would be no program without you.

A few months ago, with your help and the help of our staff, I prepared a document to capture all of the academic activity. It is truly an amazing document. It was something I proudly shared with Senior Faculty Leadership.

Thank you to all our Residents. It is a pleasure to work with you and learn together.—*Dr. Peter Collingwood*

# Program Administrator Update (cont'd)

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which are being organized for the Fall, virtually of course. As things continue to unfold, we will keep you all informed as best we can. ICRE will also be done remotely this year, and we are waiting confirmation of programming for both the Program Directors' and Program Administrators' tracks for September.

When it was time to write my article for this newsletter, I came to the realization that this is actually going to be "the last" in current company. As many of you may already know, Dr. Angus Hartery will have completed his tenure as Program Director for our residency program by the time this newsletter is circulated. I thought greatly about what to say about

that, but have reached the conclusion that there's no way I can fully express what I have learned as an administrator under his direction and support. Those of you who knew him as a resident and now as a radiologist and program director will surely understand. We've spent many hours preparing for countless events, including; but not limited to, accreditation, six rounds of CaRMS, the last of which was done remotely during the biggest snowstorm ever, creation of a nationally offered PGY1 Emergency Radiology resident preparation for call course, all the while learning the limits and functionality of BrightSpace. I could go on and on...and on and on to the point where this article gets way to long and the purpose gets lost. So too have our

residents been extremely fortunate to have had such a phenomenal mentor, who; at such a young stage of his own career; dedicated so much time, knowledge and professional empathy to both their challenges and successes. Dr. Hartery has contributed to, on both local and national levels, and been a champion in improving residency education for radiology residents across Canada. He once said in an award acceptance speech that there are many parts of being PD that are rewarding, one of which is that it has shown him what it means to have a great team of people around him. I was one of those people every day, and Dr. Hartery - I am better at what I do because I was lucky enough to be "around".

*-Jennifer Collins*

# Outgoing Program Director Reflections

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Greetings ComRADs!

This is my last newsletter as Program Director.

It has been a fast seven years with many ups and downs. I am grateful for the experience and feel I have grown as an individual, both personally and professionally because I have had this position.

Seven years ago my first daughter was born, I had been staff for about 2 years, and I took on the role of program director.

At the time I took it on because I had a strong interest in teaching. I had no idea how much more there was to the job. I had to learn about dealing with formal complaints, accreditation, CaRMS, so much I had no idea about.

From that time I am happy with the things I set out to achieve. It was far from perfect, and I am sure I didn't please everyone all of the time, nor did I handle every situation with finesse, but I am glad for the experience.

Initially, all my meetings were with Jennifer Collins and I huddled in my SCH office, trying to get stuff done between my radiology cases. Each project we stubbornly picked away at. I was really lucky to have Jennifer early on. She was a dedicated hard working teammate. She was always up for one of my many crazy ideas (there was a lot). Thankfully she was willing to help me try to change things about the program. I

was lucky to have her.

I was also lucky to have some supportive chairs, between Benvon, Conor and Peter, they were all supportive mentors for me.

And speaking of mentors, the traditional Residency Training Committee members were always there for me to bounce ideas off. I'm not sure what they thought of me at first, I was very conscious about being the most junior faculty there, and sometimes running residency committee meetings was intimidating for me. They must have thought I was doing something right since they took the time to nominate me for the Royal College Mentorship award. They have no idea how well timed that was. It was just the shot in the arm I needed at the time to keep going and I'm forever grateful for that award, and for Connie nominating me with all the reference letters from the Residency Training Committee members.

I'm lucky I had good people around me. That applies to the original members and the new RTC members

I'm also grateful for the supportive residents I had along the way. So many amazing people who helped me navigate through online procedure logs, one45 and Brightspace. I had great chief residents stepping up to the plate representing their resident bodies and routinely representing our residents well through CaRMS.

CaRMS (and the admin office in

general) now runs like clockwork because of the amazing team of our admin staff. I was beyond lucky to see our staff population evolve and grow, along with new dedicated office space. I was certainly in the right place at the right time.

Speaking of CaRMs, the recent snowmageddon should have been a disaster for our CaRMS event. But I truly think we handled it like champs. This is only because Lisa, Wes, Nicole, Jennifer, Stephanie, Claire and Daniel were there. Anytime I needed them, we could talk, innovate and then navigate this potential disaster. I am proud how we handled ourselves on the national level. I \*suspect\* we had to be one of the first Canadian disciplines to offer a 100% virtual (and dare I say flawless!) CaRMs. This was only possible because of the people we have.

If I were to look back at the most memorable things of the job, there are a couple for sure. My top would be the relationships I started with medical students and residents, some of which are elsewhere in the country and I still keep in touch with them.

Moving a lot of what we do to digital has been important to me. This has included the resident report card, the online rotation exams, procedure logs and even the PGY1 ER course. I have much praise for the fine people in HSIMS who were always there for Jennifer and I. David Stokes and many others have been so supportive in helping us learn the

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# Program Director Reflections (cont'd)

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online technologies they offer.

The main things I learned in this job, is how much I needed to grow as a person. I became aware of my emotional intelligence and others around me. Of how I could improve my reactions in certain situations. There are many things that I did in this job. I'm grateful that I took the time to reflect on them and wonder what I could have done better. Understanding where people are coming from to get to the bottom of argument is so important. I am not saying I am perfect at these things now but I'm definitely better at them because of this job.

I became more self aware of where I needed to improve. And I am so grateful for that. If you want to get good handling stress, or dealing with difficult people, then the only way to do that, is to do more of it. You deal with emotional individuals and complaints and then try to reflect and learn what you could have done better. At some point you find the experiences less stressful and even routine. And things that used to stress you, are not so bad. The interesting thing about career (and life) satisfaction is you must work for it. Only by putting in time, work and dealing with stress, does one truly come to appreciate all that is around them. Having the position of Program Director has taught me that.

I feel like those experiences I had, have improved me and I feel like I'm better prepared as a father and husband, let alone a physician.

I'm glad I had the experience and I'm glad I had the right people to go through it with.

I have no doubt the ship is in good hands with Dr. Smyth taking the wheel. She has a great collection of faculty, residents and administrative staff to bring this discipline forward. I have the pleasure of having an office next to her and I witness her professionalism and leadership skills on a regular basis. I am grateful to have her as a colleague.

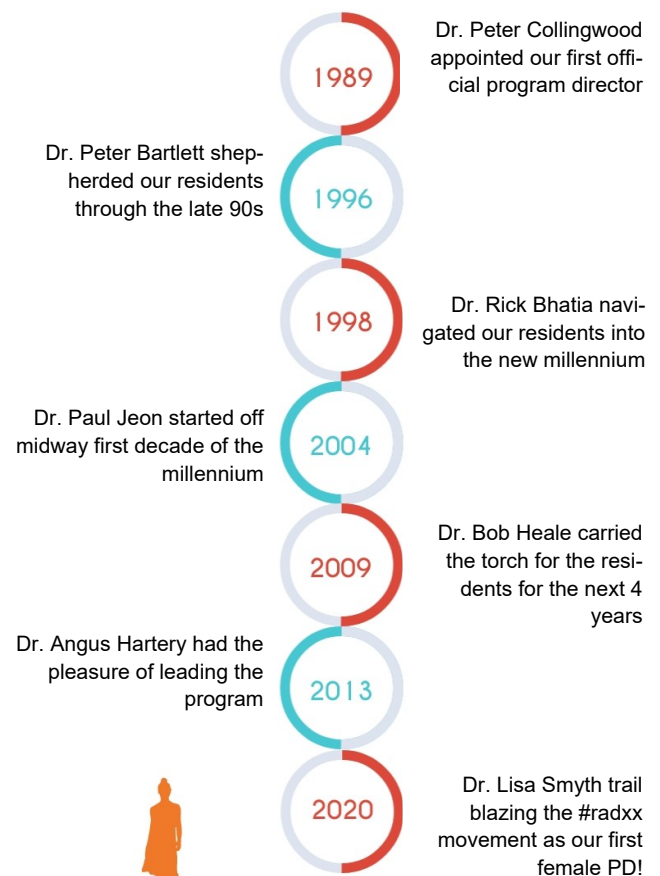
Finally:

Thank you to so many of you for helping me when I asked. PGME, UGME, and HSIMS. All RTC members, Jennifer who was with me from day one and now our amazing collection of admin staff, all the faculty, residents and medical students that have taught me, and most importantly my incredibly amazing supportive wife.

If I have done anything worthwhile or worth remembering in this position, its because of Stephanie Hartery, hands down.

*-Angus Hartery*

## Over the Decades: MUN Radiology Program Directors



# Research Update

**O**ur research this last academic year has been highly productive and continues to flourish.

## Introduction to Radiology and Research

The academic year started off Sept. 24, 2019 with an Introduction to Radiology and Radiology Research-meet and greet. This was hosted through the radiology interest group and was sponsored by the Canadian Association of Radiology. A general intro talk to medical student was provided by Dr. Wes Chan followed by an introduction to research at our Discipline by Dr. Jeff Flemming. Lunch and a draw for some prizes was provided by CAR.

## Radiology Research Forum

The local Radiology Research Forum was held on Oct. 29, 2020 and winners included:

- ◆ Best medical student presentation: *The Effectiveness of a 12-Month Emergency Radiology Curriculum for Improving Self-Confidence and Competence of Post-Graduate Year 1 Radiology Residents-A Canadian Study* - Hilary Strong (Supervisor: Dr. Angus Hartery)
- ◆ Best resident presentation: *Local Intracranial Aneurysm Screening*

*and Endovascular Treatment* - Claire Woodworth (Supervisor: Dr. Peter Bartlett; co-investigator: Dr. Nanette Hache)

## Newfoundland and Labrador Association of Radiologists Annual Meeting

The NLAR kicked off March 2020 with the following presentations

*Lessons Learned: Implementation of a Cerebral Aneurysm Coiling Program at a Small Centre.* Claire Woodworth, MD

*Comparing 3T and 1.5T MR Rectal Cancer Staging Accuracy: A single centre study.* Mark Hayward, MD

*Artificial Intelligence in Radiology – Reality versus Hype* - Heather Martin, MD

*Evaluation of the Accuracy of 3T MR for Predicting Clinically Significant Prostate Cancer Pathology: A single centre study* - Michelle Anderson, MD

*Effectiveness of an Emergency Radiology Self-Directed Curriculum for Improving Self-Confidence and Competence of Postgraduate Year 1 Radiology Residents in Canada* - Hilary Strong, MEDIII

*A Single Centre Experience of Paclitaxel in the Treatment of Femoropopliteal Disease – No Evidence for an Association with Mortality* - Victoria Linehan, MEDIII (Supervisor: Dr. Ravi Gullipalli). **Best medical student presentation**

*Breast MRI - Is our Recall Rate too High: A local audit* - Melissa Walsh, MD (Supervisor: Dr. Connie Hapgood) **Best resident presentation**

*The Use of Ultrasound for Breast Pain in a Newfoundland Cohort* - Sarah Hogan, MEDIV

*land Cohort* - Sarah Hogan, MEDIV



Kieran Lacey with his scientific poster at the SAR 2020

*land Cohort* - Sarah Hogan, MEDIV

## MUN Medical Student Research Forum

Our Discipline was fortunate to be represented by Hilary Strong in the MUN Medical Student Research Forum February 2020. Hilary won first place with her project *Imaging Lung Cancer in Newfoundland and Labrador: Is it Time to Change Conventional Methods?* (Supervisor: Dr. Jeff Flemming) Normally the winner of the best overall presentation attends the National Student Research Forum in Galveston, Texas. Unfortunately, this was cancelled due to the pandemic this year.

## International Meetings

The **Cardiovascular and Interventional Radiological Society of Europe (CIRSE)** annual meeting occurred Sept 7-11, 2019 in Barcelona. In the Student Programme there were over 350 undergraduate medical students. 6 projects were chosen as outstanding abstracts and were given a slot for oral presentations. Victoria Linehan's (Supervisor: Dr. Ravi Gullipalli) project was one of the 6. She won complimentary access to 4 online CIRSE educational modules and an invitation to a party for



Victoria Linehan and Dr. Gullipalli attending CIRSE 2019

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# Research Update

those selected hosted by CIRSE. Victoria's project was titled *A Single Centre Study on the Risk of Mortality in Patients Treated With Paclitaxel-Coated devices for Femoropopliteal Disease*.

The **Society of Abdominal Radiology** occurred March 1 - 6, 2020 in Maui, Hawaii. Our Discipline was represented by Kieran Lacey presenting his project *Game of Stones: Diagnostic accuracy of local MRCP compared to follow up ERCP and its association with total bilirubin* (Supervisor Dr. Angus Hartery).

## Journal Club

Journal Clubs were hosted at a variety of locales this year including 2 at Piattos, 1 at Dr. Collingwood's house, and 1 at the HSC teaching room (because of weather). Many thanks to the following radiologists who have taken part as faculty supervisors for journal clubs this year: Wes Chan, Eric Pike, Melissa Skanes, Connie Hapgood.

Please see our other research updates elsewhere through out this issue!

-Michelle Simms and Dr. Jeff Flemming



Dr. Chan introducing medical students to radiology

**O**ur residents work hard and have done or are doing some great research. We thought we would highlight some of the impressive work done by our 2020 Roentgen Resident Research Award winner—Dr. Claire Woodworth.

Even before residency, Dr. Woodworth was interested in research. Her breast research as an undergraduate medical student, under the supervision of Dr. Connie Hapgood, has been presented at the Canadian Association of Radiologists Annual Scientific Meeting in 2016 (Perioperative Sonographic Evaluation and Sampling of Axillary Lymph Nodes in Breast Cancer Patients) and published in the Canadian Journal of Medical Sonography (2017).

Dr. Woodworth has a keen interest in interventional research and has undertaken two projects related to this in her residency. With mentoring from Drs. Peter Bartlett and Nanette Hache, she was principal investigator for a project that researched intracranial aneurysms and won the 2019 Radiology Annual Research Forum with her oral presentation "Local Intracranial Aneurysm Screening and Endovascular Treatment". The research aimed to determine the appropriateness of cerebral angiography for intracranial aneurysm screening in NL and to understand patient and aneurysm characteristics for those undergoing cerebral coiling as well as recognize factors contributing to negative outcomes. Information from this research has been published in Quality of Care/Choosing Wisely NL Practice Points under the title "Excessive Angiography Screening for Intracranial Aneurysm in NL" (2019). Work from this project was also presented at the NLAR in 2019 by medical student Victoria Linehan and won for best medical student presentation ("Choosing Wisely for Intracranial Screening").

Dr. Woodworth is currently working on a second interventional

research project, done under the supervision of Dr. Melissa Skanes. This project, "Out of Sight, Out of Mind: An Audit of IVC Filter Insertion and Removal", is a continuation of an earlier project from 2014-2015 in which Dr. Woodworth worked as a medical student. It is the hope of the research team that the updated data from 2017-2019, compared with the previous data, will allow them the opportunity to see if there has been an increase in IVC retrieval rates as a result of changes in local policy in 2017. They also aim to determine the factors that contributed to failure of IVC removal.

In the past year, Dr. Woodworth has been first author of two case reports. In 2019, "Intramedullary Cervical Spinal Mass After Stem Cell Transplantation Using an Olfactory Mucosal Cell Autograft" was a multidisciplinary paper led by Dr. Woodworth and Dr. Nanette Hache and published in the Canadian Medical Association Journal. This report received widespread media coverage as it attempted to highlight the concerns associated with this type of transplant and the concerns about 'stem cell tourism.' The publication was in the top 5% of all research outputs as scored by Altmetric and had a High Attention Score. The second case report, "Clinical Pulp Fiction: First Multimodality Imaging of Needle Migration from Distal Esophagus into Ventricular Septum", was just recently published in the Journal of the American college of Cardiology: Case Reports. This interesting case involved Drs. Woodworth and Scott Harris in Radiology and colleagues in Cardiology and Cardiac Surgery.

The above research has been in addition to her acceptance and attendance at the Introduction to Academic Radiology program sponsored by RSNA this past year. It has indeed been a very busy and productive time for Dr. Woodworth. Hopefully, she has found it as interesting and enjoyable as well!

-Michelle Simms and Dr. Jeff Flemming

# Memorial Radiology Publications for (just) the last Academic Year

## 2020

Khural M., Gullipalli R., Dubrowski A. Evaluating the use of a generic three-dimensionally (3D) printed abdominal aortic aneurysm model as an adjunct patient education tool. *Cureus*. 2020 June 9; 12(6): e8533. Doi: 10.7759/cureus.8533

Linehan V., Doyle M., Barrett B., Gullipalli R. A single-center experience of paclitaxel in the treatment of femoropopliteal disease—no evidence for an association with mortality. *Vascular and Endovascular Surgery*. 2020; 54(5): 400-405. Doi: 10.1177/1538574420920994

Woodworth C., Fagan S., Harris S., Adams C. Clinical Pulp Fiction: First multimodality imaging of needle migration from the distal esophagus into the ventricular septum. *JACC Case Reports*. 2020; 2(4): 653-657. DOI: 10.1016/j.jaccas.2020.01.013

Dobson J., Fenwick A., Linehan V., Hartery A. Radiology interest groups: a recipe for success. *Canadian Association of Radiologists' Journal* 2020; XX(X): 1-9. DOI: 10.1177/0846537119899551.

Lang C., McNicholas D., Wilson M., Hartery A., Probyn L., Ward R. Canadian radiology medical student interest groups: what they are and how we can help them improve. *Canadian Association of Radiologists Journal* 2020 Jan.; XX(X): 1-7. DOI: 10.1177/0846537119885690

Rudkowski J., Pond G., Tremblay A., Johnston M., Goss G., Nicholas G., Martel S., Bhatia R., et al. Trial marketing in the pan-canadian early detection of lung cancer study. *Clinical Trials*. 2020 Jan; 0(0):1-10.

## 2019

McComiskey D., Barrett B., Flemming J., McKay K., Sala E. Colorectal cancer outcomes in a large negative computed tomography colonography screening cohort. *Canadian Association of Radiologists Journal*. 2019 Nov.; 70(4): 452-456. <https://doi.org/10.1016/j.carj.2018.09.009>

Dobson J. Radiology through history: canadian contributions, 1895-1917. *Canadian Association of Radiologists Journal* 2019; 70(4): 335-336. <http://doi.org/10.1016/j.carj.2019.06.005>

Chawla T., Cresswell M., Dhillon S., Greer ML., Hartery A., Keough V., Patlas M. Canadian association of radiologists position statement on point-of-care ultrasound. *Canadian Association of Radiologists Journal* 2019; 70: 219-225. <https://doi.org/10.1016%2Fj.carj.2019.06.001>

Linehan V., Ramlackhansingh J., Hartery A., Gullipalli R. The use of a student radiology interest group to promote ultrasound education—a single center experience. *Academic Radiology* 2019. <https://doi.org/10.1016/j.acra.2019.08.003>

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# NLAR Update

In the words of Dr. Gavin White, NLAR 2020 was “brilliant”! The revamped and rejuvenated event in Corner Brook was a great success.

Most of the participants took to the beautiful outdoors on Friday morning and afternoon, taking in multiple activities including skiing, snowshoeing and snowmobiling.

The academic portion of the conference commenced on Friday evening with introductions of the two guest lecturers: Dr. Alex Mathieson, general Surgeon in St. John’s and Dr. Jeff Jaskolka, an Ontario interventional radiologist with a diverse background working in both academic and community settings.

The evening continued with eight presentations from medical students and residents highlighting the ever-impressive research endeavours. The topics ranged from clinical audits in breast imaging and rectal cancer accuracy to the current and future applications of artificial intelligence (AI) in radiology. The presentations were well received and the judges had a difficult job ahead of them to determine who would get the top prizes including the coveted Dr. Richard Harley award.

Friday evening concluded with a 30-minute small group forum primarily discussing the role of the community radiologist with Drs. Peter Collingwood, Christopher Cousens, Jaskolka and Mathieson. Residents and medical students thoroughly enjoyed the open and honest conversation provided by the speakers.

Saturday morning was a jam-packed morning of up-to-date presentations from multiple speakers including Drs. Cousens, White, Melissa Skanes, Nanette Hache, Jaskolka and Mathieson. Topics ranged broadly from the use of contrast-enhanced ultrasound, new coagulation guidelines for interventional procedures, updates on the ‘code stroke’ and ‘endovascular treatment’ programs and some insights on how to improve radiology reporting. Dr. Mathieson provided his personal insights on the importance of continued high quality multi-disciplinary relationships between radiology, surgery, oncology and many other specialties who worked together to ensure optimal patient care.

*(Continued on page 12)*



**Dr. Melissa Walsh and Victoria Linehan receiving their awards from judges/guest speakers Dr. Alex Mathison and Dr. Jeff Jaskolka**

# NLAR Update (cont'd)

*(Continued from page 11)*

The McManaman lecture, provided by visiting guest Dr. Jeff Jaskolka, offered a deep dive into the world of AI probing into the frequently asked questions by radiologists. The audience was walked through how AI algorithms were originally developed and have been fine tuned for radiological purposes. Up-to-date AI research and applications were discussed and it became clear that AI will be an integral part of nearly all modalities in the not too distant future of radiology.

The conference concluded that evening with the annual NLAR general meeting followed by dinner at the Greenwood Hotel. Great fun and socializing continued and awards were handed out:

Richard Harley Research Award: Dr. Melissa Walsh PGY2

Best Medical Student presentation: Victoria Linehan MED3

A new addition to the 2020 NLAR included online submissions for 10 unknown radiology cases, provided by Drs. Jennifer Young and Daniel Duggan (PGY4).

The winners included:

Resident: Dr. Claire Woolworth (PGY3)

Radiologist Unknown Cases (at NLAR): Dr. Peter Bartlett (\*who swears there was no collusion with Claire\*)

Radiologist Unknown Cases (remote submission): Dr. Cheryl Jefford

Overall, NLAR 2020 was a smashing success and plans are already in place to repeat such a great event in March 2021.

Hope to see you there!

P.S. a special thanks to Dr. Peter Collingwood for being a strong advocate for continuing to improve the quality of NLAR.

*-Mark Hayward*

## Radiologist invited as Keynote Speaker



**C**ongratulations to Dr. Nancy Wadden, who was invited as Keynote Speaker to the Ontario Association of Radiology's Annual Breast Imaging Symposium in October, 2019.

Dr. Wadden was also guest lecturer at the recent British Columbia Breast Imaging forum, June 27, 2020 put off in conjunction with BC Breast Cancer screening, BC radiological society, and Canadian Society of Breast Imaging

Dr. Wadden is Medical Director of the Breast Screening Program for Newfoundland and Labrador and Clinical Associate Professor in the Faculty of Medicine at Memorial University, Newfoundland. She is also chair of the Mammography Accreditation Program Staff Working Group and a member of the Standards in Breast Imaging in Canada for the Canadian Association of Radiologists. She continues to be involved with the Canadian Society of Breast Imaging, the Canadian Breast Cancer Screening Initiative, and the Canadian Mammography Quality Standards Working Group. She is also the lead and chair of the PanCanadian quality initiative to improve screening mammogram abnormal recall rates in Canada. Our Discipline and province is lucky to have such a dedicated physician in our ranks.

# 2019-20 Radiology Interest Group

**T**he Radiology Interest Group (RIG) has completed another exciting academic year! Prior to the COVID-19 related campus closure in March, RIG delivered several successful events:

-Intro to Radiology and Research In It: Dr. Chan and Dr. Flemming

-Productivity: Dr. Hartery

-CXR Pathology Competition: Dr Hartery and Dr. Martin

-Approach to CXR: Dr. Smyth

-Interventional Radiology: Dr. Collingwood

Event attendees have left some wonderful feedback and greatly appreciated the effort that we have all put in. Here are some of the many comments we received:

-“Salient and high-yield information particularly helpful for clerkship.”

-“The speaker was excellent! I learned a lot and picked up a few tricks!”

-“I enjoyed the many real-life applications, and easily implemented tips and tricks.”

COVID-19 introduced a host of new challenges to



**RIG 2019-2020 Executive (Left to Right):** Natasha Murphy (Co-Chair, Class of 2022), Nilita Sood (First Year Representative, Class of 2023), Kristopher Hoover (Co-Chair, Class of 2022)

undergraduate medical learning. For RIG in particular, this meant the unfortunate cancellation of our planned ultrasound workshop, and several planned talks. However, with time still remaining in the year, the team wanted to ensure RIG continued delivering events to inspire an interest in Radiology in our colleagues.

Since campus closure in March, RIG delivered two successful virtual events, with very positive feedback:

*(Continued on page 14)*



**Dr. Smyth teaches attentive students about CXR interpretation**

## UGME Radiology Update

I wanted to update everyone on recent major changes to the UGME curriculum. The curriculum has been changed to a new theme-based curriculum. Teaching will now be organized into themes. These themes integrate physician competencies, clinical skills with basic and clinical sciences as they relate to common clinical encounters and patient symptoms. The changes came into effect August 2019 (class of 2023). Years previous to this will continue to use and graduate under the old curriculum (ie. where phases split into health persons, acute conditions, and chronic conditions). The new curriculum is outlined in the attached chart.

I have worked closely with the Curriculum Oversight Working Group to transition Radiology teaching into the new curriculum. I am pleased to report that we have not lost any Radiology teaching time and all our sessions have been scheduled in their appropriate themes. We also remain heavily involved with anatomy teaching. There are also a few new teaching opportunities that I'm currently working on as well.

In other news, with the COVID pandemic upon us, UGME classroom teaching has gone virtual. Although not ideal, Radiology content has been delivered successfully both through online content and live streaming.

As always, I owe a big thanks to everyone that has graciously volunteered their time and effort to teach our medical students.

- Wes Chan

# Radiology Interest Group

(Continued from page 13)

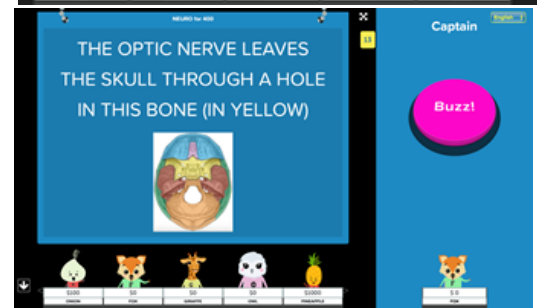
- Approach to AXR: Dr. McNicholas

- Anatomy Jeopardy: Dr. Hartery, with contributions from Dr. Walsh, Dr. McNicholas, Dr. Vijayaharan, Dr. Martin, and Dr. Hayward

The goal of RIG is to expand the Radiology-related content available to our classmates, and to show them the

incredible specialty that Radiology is. We would like to extend a huge thank you to the faculty, residents, and staff who contributed towards RIG events this year. RIG would not be a success without your dedication. In particular, we would like to thank our faculty supervisor, Dr. Hartery, for all his help and support throughout the year. We send our best wishes for a successful 2020-2021 to the incoming RIG team!

-RIG Executive



Screenshots from online interactive radiology Jeopardy



Dr. Collingwood discussing IR and careers in Radiology

## Welcome New Faculty



Our Discipline is lucky to welcome Dr. Mathew Kuruvilla!

He is our newest addition to Nuclear Medicine fresh from his radiology residency at McMaster University & nuclear medicine residency at University of Alberta. His teaching and research interests include MSK, Cardiac Imaging, PET, GI Studies.

Welcome Mat!

# Local MUN Students Win ACR Medical Student Scholarship

**T**wo Memorial medical students were awarded the American College Radiology (ACR) Medical Student Travel Scholarship. **10 award winners were distributed across North America, with only two award winners in Canada.** Both winners, Victoria Linehan and Kieran Lacey are from Memorial University.

The ACR is considered one of the greatest voices in radiology when it comes to legislation and regulation. It is made up of chapters throughout North America, including our own Canadian Association of Radiology. The purpose of the ACR annual meeting is for college members to address developments in the field of radiology pertaining to advocacy, economics, education, quality and safety, and research. It is regularly held in Washington, DC, with a highlight of the conference being "Hill Day" where hundreds of radiology advocates venture to Capitol Hill for meetings with Congress leaders.

The ACR medical student travel scholarship is open to undergraduate medical students not yet matched into a residency program. This scholarship provides travel to the American College of Radiologists (ACR) Annual Meeting in Washington, DC. They select up to ten students from the U.S. or Canada who have an interest in radiology, radiation oncology, or nuclear medicine. The application is via the ACR website and includes a CV, letter of interest, as well as details about involvement with your local radiology community and ACR chapter.

The opportunity is notably unique for medical students. It provides an introduction to radiology relevant economics, leadership

roles in governance, key issues in the profession, and approaches to rural and underserved populations. This experience is more than just the physiologic side of medicine. Awardees are part of the meeting mentor program. A conference of such magnitude and variety would be daunting to attend alone but with the mentor program they ensure somebody will guide the student every step of the way.

***What do you think in your application helped you win this award? What do you hope to gain/did gain from attending this conference?***



***Kieran:*** In my application, I highlighted both my radiological and non-radiological experiences that were relevant to the ACR, particularly their work in policy and international regulations. Examples included a certificate in local and global health equity, attending the international summer institute for global health training (InSIGHT) in Nepal, and as a science faculty representative for the MUN Student Union. The personal development to be gained from the ACR annual meeting would allow for my past experiences to be shaped in the context of radiology. This year's conference was held virtually due to the Covid-19 pan-

demia; however, the travel scholarship is being honored for the 2021 meeting. This year, I became familiar with some key concerns in the field of radiology and I gained an understanding of how the ACR develops policies from the ground up. I hope that next year's meeting will build on this and I'm excited to take part in the advocacy work displayed on Capitol Hill. Moreover, I look forward to meeting other likeminded medical students from across North America so I can create a long-lasting network. Interestingly, it also requested your twitter handle – although not mandatory. The application process unintentionally opened my eyes to the wide world of radiology twitter!

***Victoria:*** Although this travel scholarship was meant for the ACR 2020 meeting, the ACR has kindly deferred my scholarship to be used in May 2021 due to COVID-19. I applied for this scholarship as I was inspired by the holistic approach of ACR to radiology, specifically to improve my leadership skills and broaden my knowledge of data science. I was particularly drawn to their informatics section as one of the main reasons that I want to pursue radiology is its combination of the intellectual challenges of medicine with the ever-evolving power of technology. Specifically, I am looking forward to their discussion on artificial intelligence. I was very fortunate to receive this scholarship and I believe the factors that strengthened my application was my past leadership role in the Radiology Interest Group as well as the experience that I have gained through MUCEP positions in radiology. While there will be a lot to learn at ACR 2021, I plan to build on the valuable experiences that I have acquired at MUN while trying to gain additional perspective and identify new learning needs to prepare for a future career in radiology.

# Dr. Collingwood wins J.D. Eaton award

**E**arly this year, Memorial University recognized its alumni for outstanding achievements with its annual alumni awards.

Dr. Peter Collingwood received the Dr. JD Eaton award with criteria as follows:

This award recognizes outstanding volunteer contribution to Memorial University. Recipients must have:

1. Demonstrated exceptional leadership and outstanding volunteer service to Memorial University and/or;
2. Demonstrated strong participation in activities that have enhanced the stature, reputation and overall strength of Memorial University and/or;
3. Represented Memorial University to other appropriate organizations, institutions and/or the community in a manner that showcases Memorial in an exceptional manner.

Dr. Collingwood, this is an achievement that we can all be proud of and is an inspiration to both our faculty and our trainees. Many, many thanks for all your contributions to our University, our learners, and hence the health care of our province.



## Radiology Year End Award Winners

Congratulations to this years winners for our local discipline awards! With so many hard working and deserving individuals it can be hard to recognize a select few!

**Dr. Benvon Cramer Leadership Award – Dr. Andrew Dalton**

**Dr. Spencer Bridger Viewbox Teaching Award – Dr. Connie Hapgood**

**Best Academic Half Day Award – Dr. Jennifer Young**

**Undergraduate Resident Teaching Award – Dr. Melissa Walsh**

**Postgraduate Resident Teaching Award – Dr. Andrew Dalton**

**RSNA Roentgen Resident/Fellow Research Award –Dr. Claire Woodworth**



# Welcome incoming Residents!

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## **Dr. Ashley Gabriel**

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### **Tell us a little about yourself?**

I chose radiology after a selective in Corner Brook. I realized how exciting it was to see/make the calls in emergency and add-on cases. I was hooked and had to apply - though very late!

### **Outside of radiology any interests and hobbies?**

My hobbies are cooking, fitness, being outdoors in general and hanging out with my dog.

### **Scholarly Projects?**

My research interests have always been women's health as it pertains to oncology. I've done a lot of work on BRCA carriers in NL, cervical cancer screening, and helped with the female GU model for the emergency curriculum.

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## **Dr. Allison Kavanagh**

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### **Tell us a little about yourself?**

My previous career in Speech-Language Pathology led to my initial interest in Radiology. Imaging and its capability to understand the diagnosis, as well as its therapeutic capacity has always intrigued me. Despite being "behind the scenes", the impact of Radiology touches every patient during their lifetime, and that is truly humbling. Furthermore, it is a privilege to start training in a field that is at the cutting edge of innovation.

### **Scholarly Projects?**

I have not narrowed in on a specific area of interest in research just yet, I am new to Radiology and I am open to exploring all that the field has to offer. My previous research in CT guided percutaneous lung biopsies in NL, under the direction of Dr. Gullipalli, peaked my interest in radiological and pathological correlation. Through my electives, I also found myself particularly interested in breast imaging and pediatric radiology. Furthermore, Newfoundland and Labrador has a fascinating genetic founders effect, and I think it would be interesting to take advantage and explore the relationships between a genetic disorder and its presentation through imaging.

### **Outside of radiology any interests and hobbies?**

The sun is finally starting to shine and I love to get outdoors! I love to hike, bike and camp with my family. Lately, I have picked up game nights and trivia via Zoom to keep in touch with friends and family from a distance. I also like to keep active, and I enjoy dancing, rowing, running and yoga.

I'm so excited about starting my Radiology residency at MUN!



# Welcome incoming Residents!

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## Dr. Sarah Hogan

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### Tell us a little about yourself?

Hi everyone! I am so excited to be joining the MUN radiology department! I think radiology is awesome because of the opportunity to learn about such a broad range of medicine and the ability to work with many specialties to solve challenging problems.

### Scholarly Projects?

In medical school, I was lucky to be involved with research projects in nuclear medicine with Dr. Flemming, breast imaging with Dr. Hapgood, and an anatomical educational exhibit with Dr. Hartery. These projects showed me how exciting radiology is, and how positive and friendly the learning environment is at MUN.

### Outside of radiology any interests and hobbies?

Outside of medicine I love playing music. My favourites are the fiddle and piano. I grew up playing in orchestras, and I still try to play any chance I get. I also love getting outside, skiing, and spending time at the cabin. I am so grateful to have the chance to study radiology here at MUN, and I can't wait to get started!

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## Dr. Joseph Yang

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### Tell us a little about yourself?

I'm a visual learner and I find it very gratifying to see what's going on. Tons of opportunities for procedures and collaborations with different specialties. A great combination of medicine with innovation and technology.

### Scholarly Projects?

I'm pretty open minded and don't have a particular preference at this point. It would be very interesting to maybe get some exposure into AI/Biotech research related to radiology.

### Outside of radiology any interests and hobbies?

I enjoy basketball and follow the NBA often (go Lakers!). I love to travel and discover new food and culture. I enjoy cooking and am planning on picking up photography in the near future.



# Medical Student Research Experience in Radiology

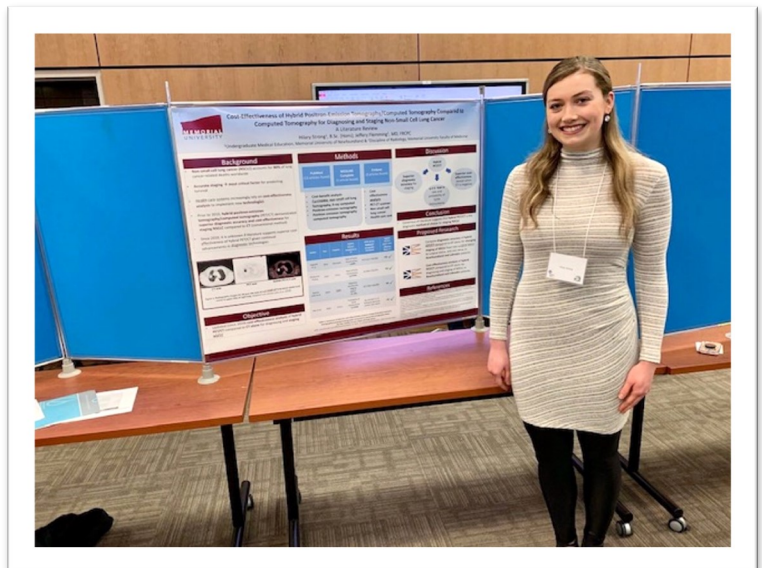
If you are a medical student interested in radiology, getting involved in a research project is a great way to gain a better perspective on the specialty. Especially since radiology clinical experiences are not available until fourth year electives, research is an excellent opportunity to gain early exposure to the specialty and network with radiologists. As students who have been involved in radiology research for the past three years, we would like to offer our individual experiences with research projects, conferences, and the excellent mentorship from radiology residents and staff at MUN.

*Just before the Covid-19 outbreak, I was able to attend the Society of Abdominal Radiology conference in Hawaii (not a bad location) to present the study "Game of Stones: Diagnostic accuracy of local MRCP compared to follow up ERCP and its association with total bilirubin." This conference, as well as others, has a resident and fellow section with student-focused educational and networking events. Some of the key messages I took from these events was to persevere even in the face of adversity or rejection, to stay curious in your practice by following up on your patients' outcome post-diagnosis, and to enjoy the journey. I was also introduced to interesting areas of radiology I was not aware of, such as how to recognize normal and abnormal imaging findings in transgender patients. Much of this would not be possible without the great mentorship provided by the MUN Radiology Department, particularly Dr. Hartery. He has provided educational and motivational support from the very beginning. Additionally, I did an audit on mammography studies conducted in coastal Labrador while on my family medicine clerkship rotation. I presented the findings to the LGH staff and this resulted in improvements to their triaging protocol for coastal patients. As students, we should seek out opportunities across disciplines and enact local change when possible. If you are a student looking to get more involved with radiology projects, be it in research or other educational activities, don't be afraid to reach out. You never know where it may lead you. Partaking in research does not only deepen our understanding of a specific subject, it is a catalyst for our overall development as a physician and provides invaluable learning opportunities.—Kieran Lacey, Class of 2021*



*Three years ago when I started research in radiology, little did I know how fortunate I would be to engage in such unique and exciting collaborations with patients, residents, and staff alike! Perpetual emergence of new health care technologies is at the forefront of medical innovation in all fields, including radiology. It has been both stimulating and gratifying to study the direct impact of new technologies on patient care and resident education in radiology. Under the mentorship and guidance of Dr. Jeff Flemming, it has been an incredible experience learning how the first fully-digital hybrid PET/CT scanner in Canada (introduced in Newfoundland and Labrador in 2017) has influenced the diagnosis and treatment of lung cancer in patients of our province. Shifting focus from treatment outcomes to patient perspective, I have also had the*

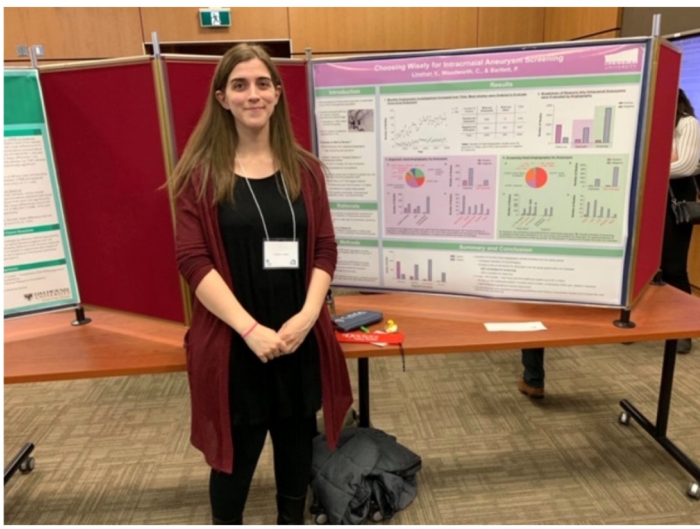
*(Continued on page 20)*



# Medical Student Research Experience in Radiology (cont'd)

(Continued from page 19)

*opportunity to engage with patients as key stakeholders in patient-oriented research, with the aim to help improve shared-decision making in diagnostic imaging. As a true reflection of the breadth of radiology research opportunities, it was very interesting- especially as a student- to study the impact of technology on the learning of other trainees. More specifically, under the mentorship and guidance of Dr. Mary Beth Bissell and Dr. Angus Hartery, I had the opportunity to explore the impact of virtual self-directed learning on PGY-1 competence and self-confidence in emergency radiology. In the setting of a global pandemic, the outcomes of virtual learning for medical trainees have become increasingly relevant! I have presented our research at various forums and conferences including MUN Medical Student Research Forums, the Conference of Atlantic Medical Students, MUN's Radiology Research Forum, and most recently at the Newfoundland and Labrador Association of Radiologists Annual Scientific Meeting. As a student interested in radiology, exploring your curiosity can certainly serve as a worthwhile investment in your medical training. Thanks to strong mentorship, it is quite possible that you will leave each new experience feeling more enthusiastic, engaged, and interested in radiology than before! Hilary Strong, Class of 2021*



*My research experiences in radiology at MUN were invaluable to not only develop clinical research skills but to deepen understanding of several topics in radiology, afford networking and mentorship opportunities, and offer a better perspective of radiology practice that could not happen in the classroom. While I have had several excellent mentors in radiology, a highlight this year was working with Dr. Ravindra Gullipalli on a project about the risk of mortality after paclitaxel treatment in femoropopliteal disease. Dr. Gullipalli was an amazing mentor in both research and interventional radiology – he dedicated several one-on-one hours to explain femoropopliteal disease and allowed me to shadow his stenting and angioplasty procedures. However, mentorship and networking opportunities are not only limited to your research supervisor. As a medical student, the opportunity to collect data in radiology reading rooms is very useful to meet residents and staff as well as to gain better understanding of the*

*day-to-day life of residents. Additionally, there are several opportunities to present your research at conferences locally and abroad. I most recently presented in Corner Brook at the Newfoundland and Labrador Association of Radiologists meeting, where I met radiologists from all over the province, learned about other research being done at MUN, and received valuable feedback on the project. I also had traveled to Barcelona in September to attend the annual meeting of the Cardiovascular and Interventional Radiological Society of Europe. This was exciting, not only to travel to another country, but to be at a large meeting with radiologists from all over the world presenting cutting edge research. My project has since been published in *Vascular and Endovascular Surgery* and it is a rewarding feeling to have our work adding to the literature of a hotly debated topic that will impact patient care. If you are considering pursuing radiology as a medical student, research experience can offer you more than you may initially think! Victoria Linehan, Class of 2021*

In summary, if you are a student with an interest in any area of radiology, we would highly recommend that you pursue your curiosity. If your experience is anything like ours, then come prepared – there is a high likelihood that you will meet inspiring individuals, collaborate with very supportive and motivated teams, and find yourself increasingly fascinated with radiology with each new experience.

- Victoria Linehan, Hilary Strong, Kieran Lacey

# Snapshots



The Annual resident Christmas Dinner!



Rhonda's retirement lunch!



Canadian Radiologists at the first national Royal College Competence by Design meeting. Memorial was represented by Dr. Paul Jeon (RAC5 representative), Dr. Jenny Young (CBD representative), and Dr. Angus Hartery (Program Director)



The annual white coat ceremony continues with the initiation of our brand new PGY2s. Thanks for this tradition Dr. Jeon!  
Congratulations (from left to right, top to bottom): Heather Martin, Danielle McNicholas, Brian O'Meara, Thurairajah Vijayaharan!

# Dr. Jenny Young Wins PARNL Teaching Award

**T**he residents would like to congratulate Dr. Jenny Young on receiving the Dr. John G. Williams Award by PARNL!

Award description:

*Every year PARNL sponsors an award to the best clinical teacher of the past year. It recognizes above all exemplary dedication to the important role of teacher to those he or she comes into contact with in a cheerful, positive manner with a high degree of knowledge and skills. All members of the medical staff, in any institution, both consultant level/general practitioner are eligible. All members of PARNL as well as clinical clerks are encouraged to nominate someone for this award. All one has to do is choose and gather at least three signatures in support and send in to the PARNL Office*

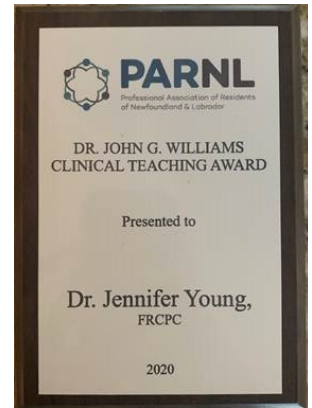
Dr. Young was nominated collectively by our resident cohort and her nomination was chosen above all other submissions across the Faculty of Medicine.

As a group, we unanimously agreed that this award description fit her perfectly, especially in the context of the year 2020 as it has happened so far. We feel that in addition to her roles in developing our simulation curriculum, revamping our Mock Royal College Exam, and developing our Competency By Design curriculum, Dr. Young's dedication became even more apparent during both Snowmageddon and the COVID-19 pandemic through her immediate development of an online weekly resident-driven, staff-supervised case-based learning series as well as her unwavering support to us on call during these challenging times.

We are thrilled to be able to express our gratitude in this manner and have her exemplary dedication recognized across the Faculty of Medicine :-).

A million thanks (and virtual "pandemic hugs") from:

*Melissa Walsh, Michelle Anderson, Jason Seidel, Brian O'Meara, Claire Woodworth, Mark Hayward, Mike Sloan, Daniel Duggan, Ning Su, Andrew Dalton, David McComiskey, Heather Martin, Vijay Thiyagarajah, and Danielle McNicholas*



## Thank You!

**T**his academic year has had many challenges including but not limited to Snowmageddon and the Pandemic. We would like to say thank you to all the hard-working staff at the Office of the Dean, HSIMS, PGME and UGME who have helped us navigate these difficult times. New policies, rapid scheduling changes, new teaching formats and more were introduced with great thought and care. The leadership of all these offices (and more!) have helped support our discipline through unprecedented times.

***Many thanks for your incredible contributions.***