



the radiology report

Volume 1, Issue 8, August 2019

Academic Program Administrator Update

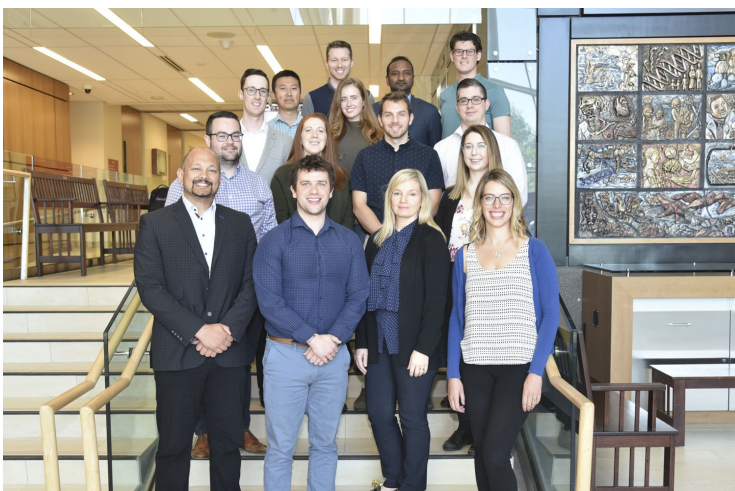
Welcome PGY1s

I want to start this article by extending a warm welcome to our newest residents, Danielle McNicholas, Heather Martin, Vijay Thurairajah, and most recently Brian O’Meara, all joining our program on July 1st. 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. Orientation is fast approaching and preparation is going well, with confirmation of

a number of our phenomenal staff attending to give you all some advice, guidelines and policy which I am certain you will find informative. The chief residents are also busy preparing some great tips 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 administration in residency – *arrive early the room fills up quickly for the admin portion!!*



The CaRMS 2019 Radiology Team (David McComiskey not present). Special thanks to all our hospitable residents performing tours



The 2019-2020 Radiology Residents and program director.— photo credit HSIMS

Our four graduates this year are busy preparing for their second part of the Royal College exam and I know I speak for all of us in the department when I say that we wish Mary Beth, Jillian, Hilary and Ahmed the very best in the exams and in the future.

Simulation

What’s new? Well, we have done two simulated exams since the last newsletter which were a resounding successes.

We’ve received much positive feedback on the incorporation of the Simulation Lab in the exams and wish to extend our thanks to the staff of the simulation centre 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

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Academic Program Administrator Update

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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, Drs. Heale, Elliott, Sala, Jeon, Pike, Haggood, Stenback, Hartery, Bartlett and Smyth. Thank you!

Competence by Design

Regarding CBD, the only update for now is the receipt of a tentative invite to the Royal College Subspecialty Meetings which are being organized for the Fall. As things continue to unfold, we will keep you all informed as best we can.

- Jennifer Collins



Another successful escape! The radiology residents collaborated in their annual teambuilding activity. This year they managed to escape a medieval dungeon.



Four happy graduating PGY5s, recently successful on the Royal College certification exam.

Dr. Hartery and chief resident Dr. Duggan checking out the new anatomy digital learning table. This is a recent purchase through the medical anatomy labs. The Discipline of Radiology is keen to embrace this learning technology, for both teaching residents as well as medical students.

Diagnostic SIMaging™

This past year, our Diagnostic SIM-aging program has raised the bar a little higher by developing and implementing 6 completely novel simulation sessions. This would not have been possible without the support and professionalism of the staff working in the Clinical Learning and Simulation Centre (CLSC), who worked hard to make these sessions as realistic and comprehensive as possible. As well, I'd like to extend a special thank-you to the Standardized Patients who acted and played roles in each of our scenarios, making our scripts truly come to life in ways that we could not imagine.

Perhaps our biggest accomplishment this year was completely revamping our biannual resident OSCE/ORAL examination. The Royal College of Canada redesigned the format of the final examination for Diagnostic Imaging

Residents, which was first administered in June 2018. Our program embraced this change and quickly designed a more formalized though slightly condensed version of the "new" Royal College exam, which was held for the first time in November 2018 in the CLSC. Our new simulated exam consisted of 12 stations: six supervised and six unsupervised stations, a mix of the traditional OSCE/ORAL format. Overwhelmingly, residents felt this format was much more formalized and would better help prepare them for the "real thing."

We also incorporated our first interdisciplinary scenario based simulation into the curriculum, which was held in the CLSC. This session was a joint collaboration between the Emergency Medicine Department and our Radiology Department. Together, we designed and ran a complex contrast reaction



Interactive MRI physics simulation session.

scenario where radiology and ER residents had to work together to manage an unstable patient.

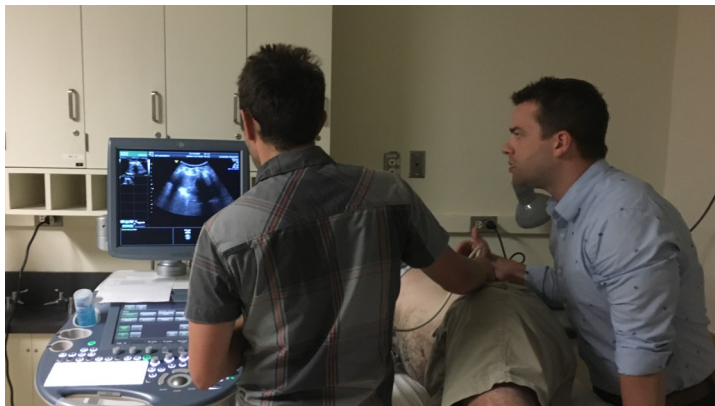
Resident feedback from previous sessions expressed an overwhelming interest to include our ultrasound technologists in our ultrasound simulation sessions. We subsequently designed two new adult inter-professional ultrasound simulation sessions, both combining didactic teaching with and hands-on learning. The first was on abdominal imaging and the second on MSK imaging. During the abdominal session, we utilized the skill and experience of our technologists to help demonstrate and problem-solve abdominal ultrasound scanning on standardized patients. During the MSK session, our MSK radiologists demon-

strated live scanning techniques on a variety of upper and lower extremity joints.

Physics has always been an area in radiology that has been challenging to teach, perhaps because many topics are difficult to conceptualize, including MRI safety. This was the driving force behind our first MRI simulation safety lab, where we experimented in situ with different implants and felt the magnetic force of a variety of potential projectiles in a safe and controlled environment.

Another first for our program was the most recent eight-station interactive OSCE-type exam held in the CLSC. This consisted of stations that evaluated procedural consent using standardized patients, followed by a station that

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Hands-on teaching from PGY5 Dr. Dalton to PGY2 Dr. Hayward during ultrasound simulation

Diagnostic SIMaging™

(Continued from page 3)

evaluated the performance of that procedure using a task trainer/mannequin. Another first in this particular interactive OSCE exam was a station evaluating the recognition and communication of a medical error in the radiology department.

This past year was indeed a year of firsts for our Diagnostic SIM-aging curriculum. We have expanded way beyond cooking up “stovetop Gelatin models” to simulate ultrasound biopsy techniques, to a well-rounded program encompassing a wide variety of simulation-based learning methods. As I have quickly learned over the past few years, with simulation, your imagination is the limit.



Lastly, I would like to express a heartfelt thank-you to our administrative staff, particularly Jennifer and Stephanie as well as my fellow colleagues Drs. Skanes, Smyth and Hapgood. You have all contributed immensely to the development and implementation of this simulation program, and are key in its current and future success. -Dr. Jennifer Young

Welcome Stephanie

Hi Everyone,
My name is Stephanie Herlidan and I am delighted to be a part of the administrative team in the Discipline of Radiology. I grew up in a small community called Southern Harbour and moved to St. John’s when I was 17 to begin university. I hold a Bachelor of Education Degree from Memorial University and a Business Administration Certificate from the College of the North Atlantic. Prior to starting work at Memorial University, in May of 2017, I worked as a primary/elementary teacher with the English School District for seven years.

Before joining the Radiology team, I held two half-time positions in the Disciplines of Emergency Med-

icine and Anesthesia. I was the APA and Assistant to the Chair, respectively. As the APA in Emergency Medicine, I organized the two week emergency medicine rotations for core clerks and elective learners, assisted with orientation, collected and summarized clinic cards for ITER completion, and several other duties related to clerkship. As Assistant to the Chair in Anesthesia, I handled budgetary items, faculty appointments/renewals, scheduled the core clerkship rotations, and supported the residency program.

I call Portugal Cove – St. Philip’s home and have lived there for the past 11 years. I am married, have two children – Jake and Alexis, and a dog named Sasha. I am excited about joining the radiology group and I look forward to working with you all. - Stephanie Herlidan



Stephanie Herlidan: Rookie of the year in the Rad Admin office. - photo credit: HSIMS

Research Update

Nuclear Molecular Medicine Update

Our Discipline continues to make great strides in research and our potential for future research. The Nuclear and Molecular Medicine (NMM) Group will soon have their radiopharmaceutical lab space commissioned by the Canadian Nuclear Safety Commission. This is a milestone toward cyclotron operation and radiopharmaceutical production. Once FDG has been established it will pave the way for research into the development and use of other radiopharmaceuticals. This will include research for both diagnostic and therapeutic use. To that end we have recently secured funding for cyclotron production of ^{68}Ga , a radionuclide that will be central to our research activities. It is a long road, but our commissioning represents an important milestone toward more research and better clinical care.

Funding

Congratulations to Dr. Jenny Young, coinvestigator with Dr. Richard Hewitt and principal investigator Dr. Andrews, on their recent award of the Healthcare Foundation's grant of \$10,000 regarding their project "Assessing the Clinical Impact of MRI / Ultrasound Fusion Prostate Biopsies". The call for these applications usually comes out in October through Eastern Health. Keep your eyes open as applications for this funding can involve a variety of purposes, including start-up, expanding clinical applicability of a project, operating funds, and funds for publishing.

Please keep in mind that there are many other funding opportunities which may be of interest to members of the Discipline,

including some local grants such as those offered by NL Support (Patient Oriented Research and Clinician-Led Patient Oriented Research Grants), Janeway Foundation Awards and Memorial University's Research Endowment Fund, and its Seed, Bridge, and Multidisciplinary Fund. More details will be emailed to you as they become available. Should anyone be interested in applying for these or any other grants, please let us know and we will be happy to assist in any way we can.



An engaged journal club at Piattos.

Publications

There is a lot of great research going on here involving chart audits to educational projects to studies looking at improving the information we can get from imaging modalities. The past year has seen a number of our faculty and residents successfully publishing their research.

Dr. Ravi Gullipalli was co-author along with Christine Goudie, Jason Kinnin, Michael Bartellas, and Adam Dubrowskii on the paper "**The Use of 3D Printed Vasculature for Simulation-based Medical Education Within Interventional Radiology**" in *Cureus*.

Drs. Jason Seidel and Mary Beth Bissell, with input from student Sri Vatturi, and under the supervision of Dr. Hartery, published "**Retrospective Analysis of Emergency Computed Tomography Imaging Utilization at an Academic Centre: An Analysis of Clinical Indications and Out-**

comes" in the *Canadian Association of Radiologists Journal*.

Dr. Claire Woodworth was first author on a case report "**Intramedullary cervical spinal mass after olfactory mucosal cell autograft**" that has been accepted to the *Canadian Medical Association Journal*. The paper was co-authored by Dr. Nanette Hache as well as Dr. Gregory Jenkins in neurosurgery and Dr. Jane Barron in pathology.

Sarah Hogan, one of the many medical students involved in research in our discipline, was first author on a paper co-authored by Drs. Jillian Greene and Jeff Flemming. The paper "**Rate of Nondiagnostic Computerized Tomography Pulmonary Angiograms (CTPAs) Performed for the Diagnosis of Pulmonary Embolism in Pregnant and Immediately Postpartum Patients**" was published in *Obstetrics and Gynecology International*.

Dr. Flemming also supervised medical student Nigel Champion on his research leading to their paper, also co-authored by Sarah Hogan, titled "**Assessing the Prevalence of Incidental Findings Identified by CTPA in Women of Reproductive Age in Emergency Medicine International**."

Dr. Carl Wesolowski has published work with colleagues in Saskatchewan that began during his time working with MUN. The paper, "**Tikhonov gamma variate adaptive regularization applied to technetium Tc 99m diethylenetriamine pentaacetic acid plasma clearance, compared with three other methods, for measuring glomerular filtration rate in cats**" was published in the *American Journal of Veterinary Research*.

There are also a number of other papers that are in the process of being written

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Research Update

and submitted by our faculty. Congratulations to all. If you require any assistance in this endeavor, please let us know and we shall try to provide the help you need or help you find those who can! If you have published anything, please let Michelle know so we can continue to keep track of all great work in our discipline.

Presentations

From the NLAR in Corner Brook, CAR in Montreal, Atlantic Radiology Conference in Nova Scotia to the LINC Asia-Pacific in Hong Kong our residents and faculty continue to spread the word about the fabulous research going on here through oral and poster presentations. Congratulations to Drs. Mary Beth Bissell and Nicole Hugh for winning the 2018 Atlantic Radiology Education Exhibit Competition for “**A Pictorial Review of Early Pregnancy and Complications**”. This year Dr. Michael Sloan won the Dr. Richard Harley Resident Award at NLAR for his presentation “**Infrapopliteal Interventions with Drug-Eluting Balloons vs Plain Balloons**” for work done under the supervision of Dr. Ravi Gullipalli. Victoria Linehan won the medical student award at NLAR for her presentation “**Choosing Wisely for Intracranial Screening**” for research undertaken with Dr. Claire Woodworth and under the supervision of Dr. Peter Bartlett. Congratulations to all our faculty, residents,

and medical students who continue to make the Discipline look good!

Journal Club

The 2018-2019 academic year was another great one for our Journal Club. We had four this year again:

-Sept. 19, led by Andrew Dalton and Claire Woodworth (supervised by Dr. Smyth) at Piatto downtown.

-Nov. 14, led by Daniel Duggan and Mark Hayward (supervised by Dr. Smyth) at the home of Jeff Flemming.

-Jan. 16, led by Ning Su and Michael Sloan (supervised by Dr. Hartery) at Bigs.

-April 17, led by David McComiksey (supervised by Dr. Bartlett) at Piatto’s downtown.

We were pleased to have a couple of new faces and hope that more staff will consider joining us for an enjoyable meal and interesting discussion. We would also welcome staff to act as a faculty supervisor to help specific residents choose articles and help guide discussion. Check with us or any of the residents to find out more about this great social and learning experience.

Research Day

We had a very successful Research Day in

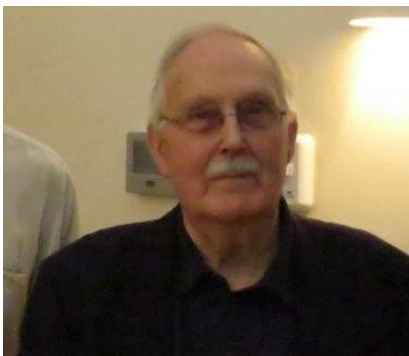
June 2018 with great feedback (see the last newsletter). Based on a number of factors, including some of the feedback from our survey, we decided that this year we would have Research Day during the fall. Participation is mandatory for the residents and we hope that all staff will consider encouraging any medical students working with them on projects to participate. We also hope that as many staff as possible will try to attend. More details will be forthcoming over the summer and early September.

Congratulations

The journal article **Intramedullary cervical spinal mass after olfactory mucosal cell autograft** authored by Dr. Claire Woodworth (co-authored by Dr. Nanette Hache Dr. Gregory Jenkins, and Dr. Jane Barron) has made waves in the media. It has made the LA times, CBC, and 11 other news outlets in the world, all within 5 days of publication. According to Altmetrics tracking of the article on through news outlets, twitter, blogs, and social media, this article is in the 99th percentile for research outputs, and is in the top 5% of all research outputs ever tracked by Altmetrics. Congratulations to our Memorial authors on this smashing success!

-Dr Jeff Flemming and Michelle Simms

Farewell to Old Friends and Colleagues



Dr. Spencer Bridger

Dr. Spencer Bridger passed away on January 19th 2019. Many of our current staff will remember Dr. Bridger as a mentor during his time in our Discipline and as a valued radiologist at the Jane-way.

Dr. Barry Martin passed away on November 25, 2018. Dr. Martin was also a well-respected, long standing member of the staff in Carbonear, NL. He was head of the Department for 35 years until his retirement in 2012.

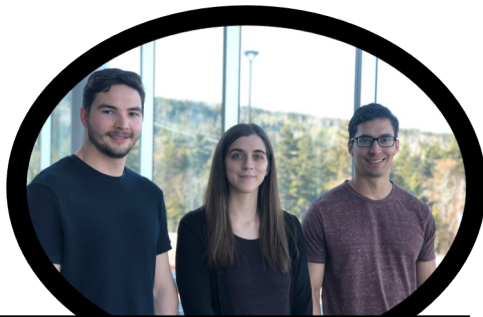
- Dr. Peter Collingwood and Rhonda Marshall



Dr. Barry Martin

2017-18 Radiology Interest Group

The Radiology Interest Group (RIG) had one of its most active years yet and this could not have been possible without the dedication and enthusiasm of the faculty. There was a total of 16 events with a trivia night still to come on June 12th! These events consisted of “Lunch & Learn” lectures, the annual chest x-ray competition & dinner, a tour of the nuclear medicine facility, as well as workshops that highlighted the application of ultrasound and the



RIG Co-Chairs Kieran Lacey, Victoria Linehan, Reniel Englebrecht

principles of Choosing Wisely. We were also very lucky to avail of the online DICOM viewer for interactive teaching sessions, which were a hit with students. We thank all of those who were involved in these events as it is truly appreciated. Also, a special thank you to Dr. Hartery who serves as a key liaison for the RIG year after year.

Listed below are this year’s events and their corresponding faculty organizer:

- ◆ Dr. Hartery-CXR Competition, Productivity in Medicine, DICOM Lectures
- ◆ Dr. Gullipalli-US Workshop, Interventional Radiology
- ◆ Dr. Maguire & Dr. Flemming-Choosing Wisely Workshop, Nuclear Med Talk & Tour
- ◆ Dr. Smyth-Approach to CXR, Foreign Bodies



Danielle McNicholas preparing to give a talk on History of Radiology

- ◆ Dr. Chan-Introduction to Radiology
- ◆ Dr. Pickles-First Trimester US
- ◆ Dr. Tonseth-Chest X-Ray
- ◆ Dr. Hayward-A Day in the Life
- ◆ Dr. McComisky-interactive neuroradiology CT using a web-based DICOM viewer
- ◆ Dr. Dalton - interactive abdominal CT radiology using a web-based DICOM viewer
- ◆ Danielle McNicholas-History

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Radiology Faculty Development

This last academic year was a first for our Discipline with the roll-out of our first Faculty Development sessions. These sessions were developed through initial meetings with myself, Dr. Conor Maguire, & Dr. Eric Sala. Initial surveys were sent out faculty wide canvas for interest and for topics for this initiative. Response was good with several consistent themes and as a result the following sessions were delivered: Giving Effective Feedback, Dealing with difficult People, Mentorship, Introduction to Promotion and Tenure

Speakers were incredibly accommodating, occasionally presenting separately at both SCH and HSC sites to be there in person to deliver the lecture. Sessions were well attended at both sites including extensive feedback. Comments were positive and constructive. I would like to thank the speakers, Dr. Maguire, and Dr. Sala for their input and time in helping me get these off the ground. Many thanks to the Faculty for showing interest and attending. We hope to do these again this year, and will send another survey out to canvas faculty needs. Hopefully, we will integrate some Competence by Design workshops into this format. - Dr. Angus Hartery

Radiology Interest Group

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- ◆ of Radiology
- ◆ Heather Martin-Future of Radiology & AI

Additionally, Jessica Dobson (along with co-authors Andrew Fenwick, Victoria Linehan, and Dr. Hartery) presented “Radiology Interest Groups: A Recipe For Success” at

the CAR 2019 ASM. This presentation was very well received and the CAR residents section asked for it to be formally shared to RIGs across Canada. Last year, Jessica lead the RIG to winning “Interest Group of the Year” as voted upon by the students. Our goal this year was to continue this level of quality by providing medical students with engaging events and invaluable learning opportunities. With this in

mind, we believe that the 2018-2019 year was a great success!

Last but not least, we would like to welcome the incoming Chairs of the Radiology Interest Group for 2019-2020. We trust that they will do an outstanding job!

- 2018-2019 RIG Co-Chairs Kieran Lacey & Victoria Linehan, RIG First Year Liaison Reniel Engelbrecht



Group of medical students with Dr. Maguire after his nuclear medicine talk and tour of the nuclear medicine building.



Dr. Tonseth presenting on interactive approach to chest x-ray



Engaged audiences during sessions On Introduction to Radiology (Dr. Chan, left), Artificial Intelligence (Heather Martin, middle), And Productivity (Dr. Hartery, right)

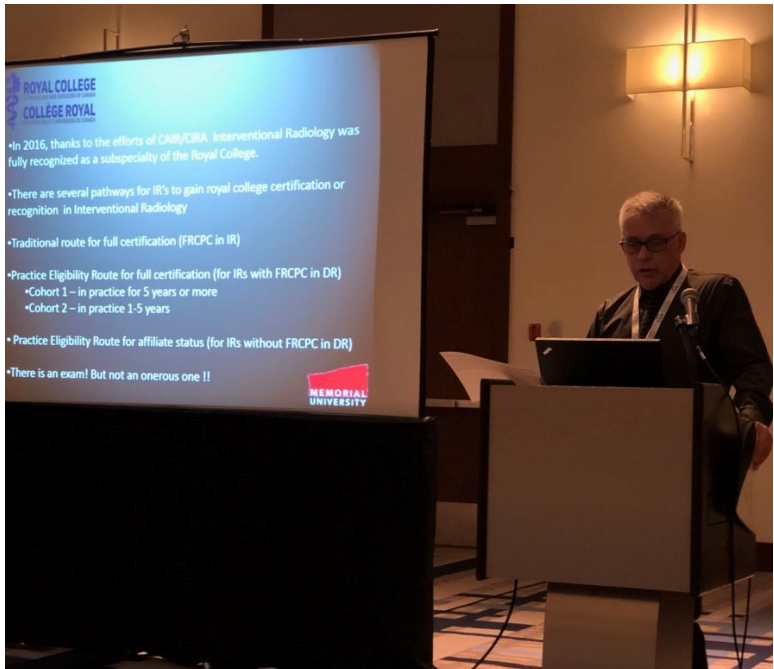


Resident Christmas Lunch 2018



Dr. Smyth presenting at the CAR 2019 ASM

2019 CAIR ASM



Canadian Association for
Interventional Radiology
Association canadienne pour
la radiologie d'intervention

Dr. Collingwood kicking off the Residents Fellows days at #CAIR2019 with a update on the new Royal College Fellowship in Interventional Radiology. Dr. Collingwood chaired the Fellows and Residents day. Dr. Bob Cook our faculty from Corner Brook also assisted in organizing the day. Dr. Collingwood also presented at the main meeting on a session entitled Tips and Tricks. Photo credit: @CAIRads

Dr. Melissa Skanes representing the Memorial contingent for #radxx and women in medicine movement at #CAIR2019.

Photo credit: @CAIRads



UGME Radiology Update

Things remain busy in UGME. The undergraduate curriculum continues to evolve and our discipline remains active and involved. Combined lectures between radiologists and clinicians have been well received by the medical students and we hope to continue to increase their number. Our involvement in anatomy and ultrasound teaching remains strong and the recent purchase of multiple Sonosite machines by the medical school has opened up new and exciting future opportunities. The radiology bootcamp has just finished up for another year and was a success. Of note, our use of interactive online DICOM software was highly rated. The radiology interest group gets stronger every year and it is encouraging and exciting to see such enthusiasm and interest shown towards our specialty at the undergraduate level.

As always, our efforts and success at the undergraduate level would not be possible without the help of countless staff, residents, and administration. Thank you! - Dr. Wes Chan

2018 Music is Medicine Talent Show

As one of the organizers of the Music IS Medicine Variety Show, I would like to thank on behalf of the others, the Eastern Health Staff for graciously supporting the March 2nd, 2019, Music Is Medicine benefit concert at the Holy Heart Theatre with all proceeds going to the Team Broken Earth and A Dollar A Day charities. The "Show", a virtual sell-out, featured the talents of local musicians, celebrities and Holy Heart students in partnership with health care providers and provided a memorable night of entertainment for all in attendance.

The genesis for the "Show" began nearly twenty years ago when Don Fitzpatrick and I organized a benefit medical variety show which we performed at the MUN Reid Theatre for the benefit of the Health Care/Janeway Foundations. The performers were all health care providers including many staff radiologists - our current Chair, Dr. Peter Collingwood brought the house down with his now legendary tune, (Welcome To the.....) Health Care Corporation. The concert was a great success and occurred annually for two more years before our growing families subsequently became the concerts that we managed!

Since then, a growing compilation of scientific evidence has demonstrated that "Music is Medicine". A research review completed by Montreal's McGill University Psychology Department revealed that music had documented positive effects on brain chemistry and associated mental and physical health benefits in four areas:

Management of mood.

Stress reduction.

**"Where words fail,
music speaks."
Hans Christian Andersen**

Boosting immunity

As an aid to social bonding

Fast forward nearly twenty years later - we felt that "Music Is Medicine" was a worthwhile message to promote and the time was right to revive the "Show" as the next generation of health care providers were ready to showcase their musical talents. Who knew that Dr. Fraser Loveys could sing



Surgery Legend Dr Kwan with Drs Loveys and Jenkins

like Josh Groban, that Dr. Paul Johnson was actually "A Rock Star" practising urology and Dr. Doug Angel was a "Triple Threat"!

Without the tremendous support provided by the Diagnostic Imaging team, both logistical and by attending the performance, this event would not have been as successful. A special shout out goes to the HSC Ultrasound technologists especially for their promotional help, to Angus, Rhonda, Jennifer and Stephanie for their ongoing support, and to Fraser for his time highlighted with a wonderful performance! Also this event would not have been possible without the cadre of my three amigos - Doug Angel, Don Fitzpatrick, and Andrew Furey with an amazing contribution from the M5 team. As a famous British musician once said,

I'd like to thank you on behalf of the group and I hope we passed the audition"

- Dr. Paul Jeon



Music in Medicine Promotional T-Shirts

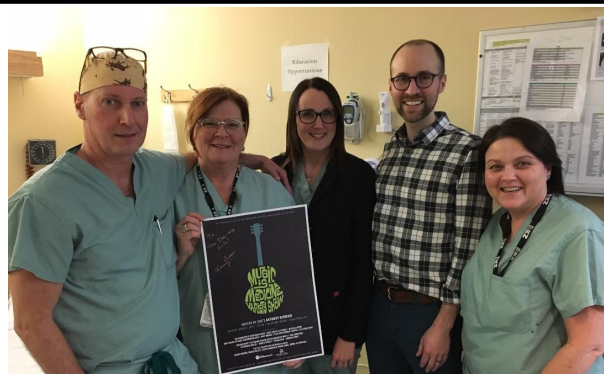
2018 Music is Medicine Talent Show



Dr Loveys with the Residency Program Admin Staff



The multitalented singing surgery team Dr. Paul Johnston Dr. Shane Seal and Nurse Stephanie Brazil



Dr Fitzpatrick, Dr. Loveys and the Interventional Nurses of the HSC

“...music had documented positive effects on brain chemistry and associated mental and physical health benefits in four areas:

- ◆ Management of mood
- ◆ Stress reduction.
- ◆ Boosting immunity
- ◆ As an aid to social bonding...”



Singing Duet “Ultrasound”



Many of the incredible volunteers for Music is Medicine



Hardworking volunteers from Team Broken Earth

CMAJ Publication Experience

Hi everyone,
I want to share our publication experience with the department. Recently, Dr. Nanette Hache and I had a case report accepted for publication by the Canadian Medical Association Journal (CMAJ).

We present the case of a 38-year-old man who developed an intramedullary spinal cord mass after olfactory mucosal cell transplantation. The patient suffered a C5/6 American Spinal Injury Association (ASIA) D spinal cord injury at age 20. Six years later he underwent experimental stem cell therapy. He presented to neurosurgery clinic with deteriorating neurologic function. In our publication, we review his radiological, surgical, and pathological findings, which are consistent with ectopic olfactory tissue presenting as a mass lesion secondary to his stem cell autograft. Given the complexity of this case, we worked with Dr. Gregory Jenkins, neurosurgeon, and Dr. Jane Barron, neuropathologist. Patient consent was obtained for publication with CMAJ.

In our experience, many radiology journals no longer solicit case reports for publication, perhaps given the rise of online Case of the Day compilations. Electronic case report competitions are also commonplace now at radiology conferences.

I believe a key aspect of what made our manuscript appealing to CMAJ is our focus on the vulnerable population and emerging issues behind the case report. In recent years, an international industry

has developed around “stem cell tourism” whereby Internet-based marketing targets patients with chronic illnesses.

Certain vulnerable populations, such as those with incurable spinal lesions or degenerative neurologic disorders, are frequent targets of unproven stem cell therapies. Despite limited regulations and emerging reports of adverse events, patients in developed countries are consuming unproven cosmetic and medical stem cell-based therapies.

We utilize the case report format as an avenue to communicate our concern for patient morbidity caused by stem cell transplantation. Furthermore, we hope to educate practitioners on the rationale behind stem cell therapy given that family physicians and specialists may face counseling patients on stem cell transplantation or diagnosing complications in patients who have had such procedures done. Radiologists are essential collaborators on these types of publications as we’re accustomed to working in a multidisciplinary manner and gleaning all available information to understand what’s really going on with a patient.

- Dr. Claire Woodworth



Radiology Interest Group Wins Again

CONGRATULATIONS



INTEREST
GROUP OF
THE YEAR
AWARD 2019

MUN
MEDSOC.



RADIOLOGY INTEREST
GROUP

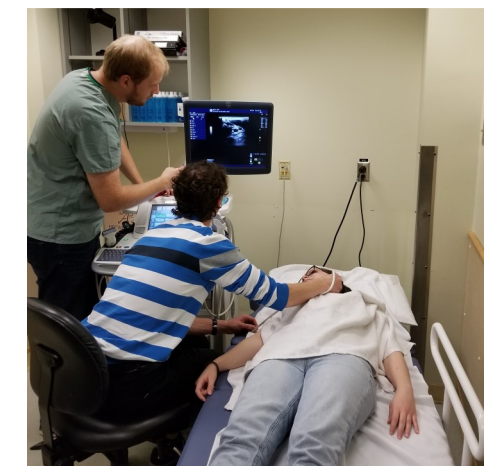
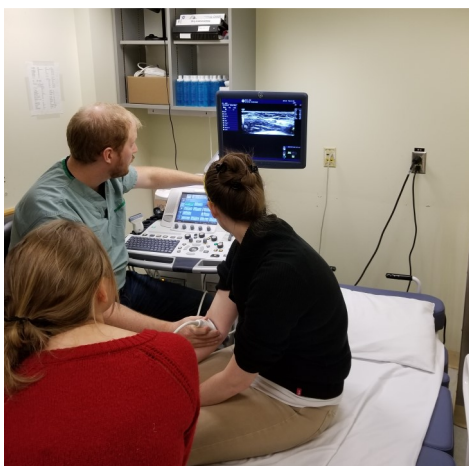
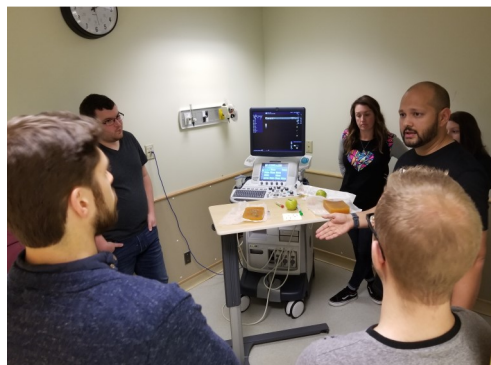
We are fortunate to win best local interest group for the second consecutive year. Our RIG won based on a number of criteria, including hosting 18 (!) events delivered by faculty, residents, and students. Some of the innovations this year included a talk on productivity and staying organized, more practical sessions on approach to Body CT and Head CT, as well as separate talks on the History of Radiology as well as the future of radiology with Artificial Intelligence.

The RIG at MUN is also well-recognized among student radiology groups across Canada. We are in the process of submitting an academic paper on “A Recipe for Success - How to build a Radiology Interest Group,” and have also presented our work at the Canadian Association of Radiologists (CAR) 2019 Annual Meeting. Not only was our presentation well-received at CAR, but we were informed that, despite our smaller class size, MUN has the strongest medical student representation in CAR rivaled only by UBC. Moreover, we have been invited to share our model with interest groups across Canada.

Many many thanks to the Students, Residents, and Faculty who contribute to this fun and educational process.—Dr. Angus Hartery

2018-19 MUN RIG Ultrasound Session Snapshots

Another great year for the weekend workshop in Diagnostic Ultrasound. We are greatly indebted by the engaged technologists, who even decorated the ultrasound clinic with sonography memes! Teaching this year focused on the importance differences between Diagnostic Ultrasound and POCUS. Each of the four rooms focused on Vascular ultrasound, Abdominal Ultrasound, Ultrasound guided fine needle aspiration and Ultrasound guided fluid drainage.



Welcome incoming Residents!



Dr. Heather Martin

Hi everyone! I'm from St. John's and am absolutely thrilled to join the Radiology residency program in July. My academic background includes a BSc(Hons.) in Neuroscience/Biochemistry Nutrition, Masters in Public Health as well as Medicine at Memorial University. I am currently completing a Certificate in Medical Teaching and am fortunate to collaborate with Dr. Hartery on a project related to Artificial intelligence in Radiology as part of this program. I have also worked with Dr. Skanes, Dr. Gullipalli, and Dr. Smyth on research projects which can only be described as wonderful, supportive experiences. Outside of medicine, I love spending time outdoors at the cabin, horseback riding and playing piano. I enjoy travelling and seeing other parts of the world whenever possible, but always look forward to coming home to Newfoundland! I can't imagine a better team of people to work with and learn from — very excited for the next five years!



Dr. T Vijayaharan (VJ)

Tell little about yourself?

I am from a small town called Bogawantalawa in Sri Lanka (Golden Valley of Ceylon Tea) where mainly settlers from Southern India came to work in tea estates. After completing my medical degree at the University of Ruhuna, Southern Sri Lanka and internship at Peradeniya Teaching hospital, I mainly worked in surgical specialities. In the pursuit of Canadian dreams, I migrated to Canada in 2012 as a skilled immigrant with my wife Losana. We have been living in beautiful St John's the for last five years and obtained Canadian Citizenship in 2018. We have a one-year old

daughter, Vaibhavee, who was born here at St John's and one on the way. I consider myself extremely lucky to become a part of the proud Canadian health care system as a clinical associate in pediatric surgery at the Janeway Children's Health and Rehabilitation Centre within 18 months of coming into Canada and gained my Canadian health care experience

Scholarly Projects?

I was at the University of Toronto for Master of Health Sciences in Bioethics Program at the Center for Bioethics and am currently pursuing a postgraduate program in Community Health at Memorial University. I have several publications notably, "Modify Early Warning Score Use In Critically Ill Surgical Patients", "Wedge Resections For Early Breast Cancers And Clinical Outcomes", "Depression Scale In Surgical Patients With Multiple Somatic Symptoms".

Outside of radiology any interests and hobbies?

I like riding my motorcycles in my leisure time and I like hiking. I love to listen and create some music for fun. When I was at college, I won several athletic championships especially in high jump, long jump, and 100 meters. I also became the skipper of our college soccer and cricket teams for a couple of years. I am very excited to be trained in the MUN Radiology Program and join such an efficient, energetic, friendly and welcoming environment.



Dr. Danielle McNicholas

I am ecstatic to be joining the radiology department here at MUN. I'm originally from St. John's, and completed my B.A. here in political sciences and economics, followed by an M.Sc. in international development from the London School of Economics. In terms of research, I'm very interested in radiology teaching and how best to teach basic radiology to undergraduate students. I am looking forward to exploring how the radiology department can play an active role in international outreach and development. Please approach me if you're interested or have any thoughts on this. I've already had the opportunity to work with many fantastic staff and residents in the department, and am looking forward to meeting everyone else. In my free time, I'm normally out hiking, snowshoeing, or kayaking (...or netflixing).

Dr. Brian O Meara

Tell little about yourself?

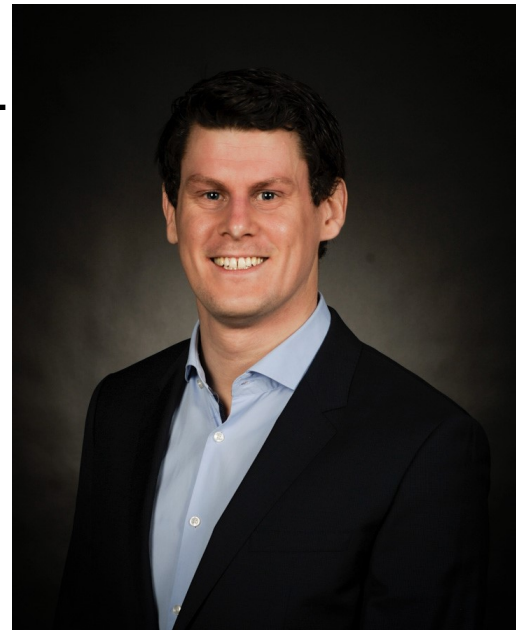
I am originally from Vancouver but have been living in Dublin, Ireland since 2010. I am Canadian/Irish, but with a Newfoundland connection (my mother is from St. Vincent's). I completed my medical school at RCSI in 2015 and worked as an intern and Senior House Officer in Dublin. My wife and I have a three year old girl and are expecting a baby boy any day now. Interesting fact is that our first date was at the 2014 CAR Awards Gala.

Scholarly Projects?

My projects in the past have included image optimisation with CT Angiography for intracranial aneurysms, and 3DCT analysis on dietary supplementation with bone density. I also started up an Interventional Radiology Case Competition at my medical school.

Outside of radiology any interests and hobbies?

My interests include snowboarding, hiking and running.



White Coat Ceremony



This year, Dr. Paul Jeon has again graciously donated new embroidered whitecoats for the junior residents, as a welcome present. They were presented to our upcoming PGY2 residents, Dr. Michelle Anderson and Dr. Melissa Walsh by one of the current chief residents. Dr. Ning Su welcomed the junior residents to our proud discipline. He also reminded them that the whitecoat is not only a proud symbol of our profession, and it makes us easier to locate in the dark reading room. Dr. Jason Seidel unfortunately could not join them for photos but received his whitecoat later that week.



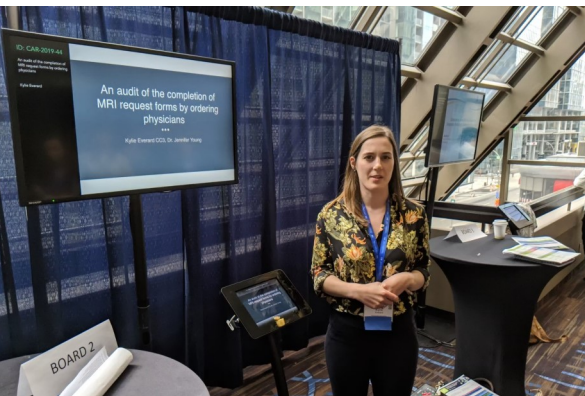
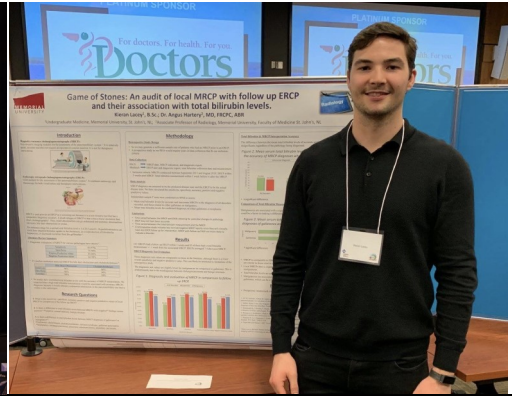
Scholarly Snapshots



Med IV Heather Martin standing proud with Dr. Lisa Smyth at RSNA 2019 (both first timers!). Together with Dr. Hartery they presented a case series of Dropped Gallstones with clinical implications of accurate diagnosis



Med II Kieran Lacey wins the Peoples Choice award at the Conference of Atlantic Medical Students. His project (with Dr. Hartery) was titled Game of Stones: An Audit of local MRCP with follow up ERCP and their association with total bilirubin levels.



Kylie Everard (MED III) presenting on MRI requisition completion at CAR 2019



Rihannon Tracey (Med III) discussing Chest Wall Pathology at CAR 2019. Recent graduate, Dr. Anuj Dixit looks on. Dr. Dixit is currently completing his Chest imaging fellowship at Mayo Clinic)

CAR Annual Scientific Meeting

Memorial radiology at the Canadian Association of Radiology and Canadian Association of Interventional Radiology continues to be strong at the annual meetings.

Some of our local discipline highlights include:

Andrew Dalton PGY4

Co-Authors: Chan W. Young J., Hogan M.

Tuberculosis: More Than Just a Pulmonary Disease.

Alana Kavanagh Med III

Co-Authors: Dalton A., Smyth L.

Pulmonary Parenchymal Vascular Anomalies.

Victoria Linehan Med II

Co-Authors: Ramlackhansingh J., Gullipalli R., Hartery A.

The Use of Student Radiology Interest Groups to Promote Ultrasound Education-A Single Center Experience.

Jessica Dobson Med III

Co-Author: Smyth L.

Beyond the Node: Atypical Presentations of Lymphoma.



Post Presentation dining at CAR 2019



Jessica Dobson presenting Atypical presentations of Lymphoma at the CAR 2019

Jessica Dobson Med III

Co-Authors: Linehan V., Fenwick A., Hartery A.

Radiology Interest Groups: A Recipe for Success.

Heather Martin Med IV

Co-Authors: Hartery A., Gullipalli R.

Endovascular Aneurysm Repair (EVAR)-A Multimodality Pictorial Review of Endoleaks.

Rhiannon Tracey Med III

Co-Author: Smyth L.

The Chest Wall: Thinking Outside the Parenchyma.

Kylie Everard Med III

Co-Author: Young J.

An Audit of the Completion of MRI Request Forms by Ordering Physicians.

Dr. Lisa Smyth

So You Made a Mistake: Dealing with Imperfection in Radiology



The MUNRad Contingent at the CAR reception



Heather Martin Reviewing Ultrasound of Endoleaks at CAR2019

2019 MUN Discipline of Radiology Awards

The Discipline of Radiology year end party (*many thanks to Dr. Mark Hayward for the photos*) was hosted this year at the home of interim chair, Dr. Peter Collingwood. Many thanks to Peter and Deborah Collingwood for hosting this year's event. A big turnout from faculty and residents from PGY1 to PGY5 allowed us all to relax and reflect on the previous year while wishing a fond farewell to our outgoing PGY5s. End of the year awards were given out and are as follows:

- UGME Resident teaching award: Dr. Michael Sloan
- PGME Resident teaching award: Dr. Ning Su
- Radiology Faculty view box teaching award: Dr. John Hopkins
- Best Academic Half day award: Dr. Lisa Smyth
- RSNA Roentgen Research award: Dr. Michael Sloan
- Benvon Cramer Leadership award: Dr. Mary Beth Bissell

The PGY5s, Dr. Mary Beth Bissell, Dr. Hilary Coffey, Dr. Jillian Greene and Dr. Ahmed Fagir all received thank you gifts from the faculty. The PGY4s, Dr. David McComiskey, Dr. Ning Su, and Dr. Andrew Dalton, also presented special thank you gifts to their seniors



ComRADs in arms: The Radiology PGY5s, and PGY4s



The Clinical Chief and Academic Chair with the graduating class



Graduating Class with the Program Director

wishing them well.

This year has also been a year of transition as Dr. Angie Pickles has taken the role of clinical chief from Dr. Rick Bhatia, and Dr. Peter Collingwood has stepped up to academic chair relieving the role from Dr. Conor Maguire. Thank you

speeches were given thanking Dr. Bhatia and Dr. Maguire for their efforts in shaping our Discipline and Department.

It was another excellent gathering from all rads from all sites, all specialties and all levels of training.



Dr. Mary Beth Bissell receiving the Dr. Benvon Cramer Leadership award



Dr. Wes Chan accepting, on behalf of Dr. Michael Sloan, the Undergraduate Teaching award



Dr. Michael Sloan receiving the RSNA Roentgen Research award—photo Credit HSIMS



Dr. Ning Su receiving the postgraduate teaching award



Dr. Rick Bhatia receiving a thank you from Dr. Angie Pickles for his dedication as Clinical Chief

Radiology Medical Student Elective

After receiving feedback from some of our residents and from the medical students rotating through our department, it has become apparent that though we have made many changes over the years to our elective program, there is still much work to be done!

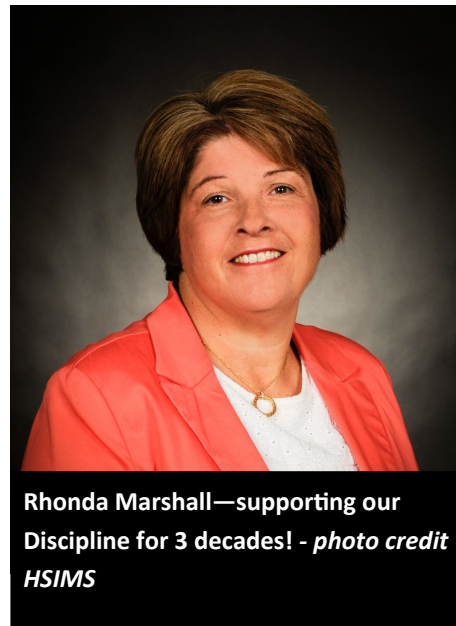
The elective experience is a great way to showcase our discipline to medical students and foster early multidisciplinary relationships. It's also a great recruiting opportunity as we all know that increasing medical students' interest in radiology leads to more students applying to residency which leads to more local applicants to choose from, and more great local radiologists! As Aristotle once said, "The roots of education may be bitter, but the fruit is sweet!"

So where do we go from here? We are looking for input! Dr. Chan, Dr. Hartery, Dr. Dalton and myself have volunteered to form a small committee to redesign the elective. Some ideas that were thrown out at the RPC level include assigning each student a dedicated staff as a point of contact, solidifying the schedule to perhaps involve the more acute radiology cases, and creating independent learning modules for the students to get through during their time in the department. We welcome and need your feedback and suggestions! If you have anything to say about the elective or your elective experience, good or bad, please give one of us a call or email!

-Dr. Lisa Smyth

Rhonda Marshall retires from Memorial after 30 years

Rhonda deserves a happy and fulfilling retirement. But she will be greatly missed. No one, including all the PD's, Chairs, Faculty and Residents, has contributed as much to our Discipline as Rhonda. I have been fortunate enough to have served in all of these capacities and Rhonda has been there every step of the way for me. She has been our rock and anchor for decades. She has been selflessly dedicated to Diagnostic Radiology. Even as she plans her retirement, she has been trying to ensure a stable transition, including training in a new staff member. (I did not use the word replacement as Rhonda can never be replaced!) She has represented us well to the administration of the Faculty of Medicine. She knows the ropes and has the credibility to get things done. When I tried to discuss the implementation of her plans for the transition period with senior management, I was told "Stop! Whatever Rhonda needs she will get!" That speaks volumes. We will make sure that her retirement is duly marked and celebrated when the time comes. - Dr. Peter Collingwood



Radiology Leadership Course

This last academic year, our residency program tried something a little different in completing the leadership role of our CanMeds requirements from the Royal College.

Dr. Ahmed Fagir approached myself with the idea of enrolling our residency program into an online leadership course sponsored by the American College of Radiology. In particular this was delivered through the Radiology Leadership Institute, a subdivision of the American College of Radiology. The radiology leadership Institute offered a year-long course in leadership with the following topics:

- rookie leadership
- crucial conversations
- negotiations
- constructing and maintaining high functioning teams
- servant leadership
- unconscious bias
- change management in complex organizations

- personal finance as it relates to leadership
- developing personal well-being and resilience
- personal branding

The course was discussed upfront with the residents and it was agreed upon that they would be given time in the teaching schedule to view the webinars on the above topics. Based on suggestions from the RPC, to further solidify the knowledge gained from the webinars, residents were asked to complete written reflections on the webinars which would award them a certificate of completion from the program director. Many congratulations on Dr. Fagir, Dr. Duggan, Dr. Woodworth, and Dr. McComiskey for submitting all reflections and completing the course. Perhaps in the future, we will try other initiatives in teaching the concept of leadership to our trainees. Congratulations! - Dr. Angus Hartery