Dear All,

Another RSNA, and again, very different from all others. This time, it was all about Artificial Intelligence; as soon as the words Artificial Intelligence were in the title of a lecture or scientific session, the rooms were packed with people standing at the back, or sitting on the floor. This is the new gold rush. All the buzz is for machine learning, radiomics and precision medicine. An international competition on the application of Artificial Intelligence to detect lung cancer brought 2,000 applications.

So, now the big questions is “Will artificial intelligence replace the radiologist?” and of course, it was on everybody’s mind at the RSNA. At a session on deep learning and Artificial Intelligence, Paul Chang, a well-known visionary radiologist who is now leading imaging informatics research at the Chicago School of Medicine, said that it won’t be the case, but it will redefine the radiologists.

Radiologists will need and welcome the contribution of Artificial Intelligence to help them to extract relevant information from more and more complex data sets, and the need to correlate images with clinical information, which will enable the coming world of radiomics. Deep learning will not replace people, it will enhance them.

It will not happen overnight either, as it will need financial commitment. We are still struggling with electronic medical reports, legacy PACS, and limited IT infrastructure, which cannot support these new systems. But we can certainly add that to our wishlist for the new year(s).

And now, it is time for me to say goodbye after ten years as Chief. It has been an absolute pleasure to serve you and to meet so many amazing people. Thank you for going above and beyond in a challenging fiscal environment, thank you for providing excellent care to our patients, thank you for making this department a leader in the world of radiology. I wish all success to our new interim Chief, Dr. Erik Jurriaans, who starts on January 1st. His tireless enthusiasm, dedication to public service, and thrive for excellence will make our department even better, at a time where quality improvement is a priority.

I wish you all a very happy holidays, and all the best to you and your families for the new year.

David Koff
Chair, Department of Radiology, FHS
Neuroimaging: Developing Intelligent Differentials

Date: Tuesday January 9th, 2018
Location: St. Joseph’s Healthcare Hamilton
CAMPBELL Auditorium—Level 2—Room T2202
Juravinski Innovation Tower

Gliomas: New WHO Classification & Tumor Markers

Date: Wednesday January 10th, 2018
Location: St. Joseph’s Healthcare Hamilton
John Fortino Conference Rm—Level 0
Juravinski Tower, Rm T0102
Time: 7:30 am

Sorting out White Matter Disease

Date: Wednesday January 10th, 2018
Location: St. Joseph’s Healthcare Hamilton
CAMPBELL Auditorium
Level 2—Room T2202
Juravinski Tower
Time: 12:00 pm

Visit our Visiting Professor Program web page to view all of Visiting Professor group photos with our Radiology Residents at: http://www.fhs.mcmaster.ca/radiology/vpp/
## ROUNDS CALENDAR

<table>
<thead>
<tr>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
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<tbody>
<tr>
<td><strong>JURAVINSKI HOSPITAL &amp; CANCER CENTRE</strong></td>
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<tr>
<td>0800 Resident Rounds (all rounds in DI Conf. Rm.)</td>
<td>0800 MSK Rounds</td>
<td>0800 Resident Rounds</td>
<td>0700 Hepatobiliary Rounds</td>
<td><strong>11:00</strong> Head/Neck Rds JCC</td>
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<tr>
<td>1200 Rad/Path Breast Rds (Rm 106 E Wing)</td>
<td>1200 Resident Rounds</td>
<td>0800 Multidisciplinary Breast Rounds DST (3-88 JCC)</td>
<td><strong>1200</strong> Interesting Case Rounds</td>
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<td>12:15 DI DST Rds</td>
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<td>14:00 GIUP Rds</td>
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| **HAMILTON GENERAL** | | **0730** Vascular Rounds (5N Teaching Room) | | |
| 1200 Radiology Teaching Rounds | 0900 Regional Cardiology Rds (David Braley Centre, General Campus, Auditorium) | 0800 Arrhythmia Rds. (Theatre Auditorium, HGH) | **0800** Stroke Rds.(David Braley Centre, General Campus, Auditorium) | **1200** Radiology Teaching Rounds |
| | 1200 Combined Stroke Rounds, DI Classroom, Rm 2-158 | **1230** M&M Rds. (DI Classroom), set once a month | **0800** CNS Tumor Rds. HGH (DI Classroom) once a month | **1200** Radiology Teaching Rounds |
| | 1600 Trauma Rds (Theatre Auditorium) & M&M Rounds 1. Tues. of mo. | | | |

| **MUMC** | | **0800** Adult GI Rounds, Rm.2S32 | | **1200** Neuro-oncology Rds 3F |
| 0800 Pediatric Hot Seat Resident Rds | 1200 Adult Hot Seat Resident Rds | **0800** Adult GI Rds, Rm.2S32 | **0800** Stroke Rds. (David Braley Centre, General Campus, Auditorium) | **0800** Pediatric Hot Seat Resident Rds |
| 0800 Tumor Brd (3F) | | | | **1200** GI Ped Rounds Room 2S32 |
| 1200 OB Rds (Dr. Mohide) Rm 2S32 | | **0800** RPC (3rd Wed ea. mo.) Rm 2S32 | | |
| 1200 Neuroradiology Rds Rm 3N50 | | | **1130** Rheumatology - ev.other wk Rm TBA | **1200** GI Ped Rounds Room 2S32 |
| | | **0800-0900** Head & Neck MCC Rounds—4th Wed. of ea. Mo. | | |
| | | **1200 – 1300** MSK Radiology Rheumatology Rounds, **1200 – 1700** Radiology Residents’ Half Day Presentations—Rotating sites- | **1200** Adult Hot Seat Resident Rds |
| | | **1300 – 1400** Resident Hot Seat Rnds | **15:00** Clinical Teaching Unit (CTU) Every 4th Thursday, Room 2S32 | **1200** GI Ped Rounds Room 2S32 |
| | | **1630—1730** Thyroid Malignancy Endocrine MCC Rounds—1st Wed. of ea. Mo. | | |
| | | **0715 –0800** Colorectal Rnds | | | |
| | | **0800-0900** Breast Pathology Rnds | | | |
| | | **1200 – 1300** Resident Hot Seat Rnds, | | | |
| | | **0730 – 0830** Radiology Respirology Rds, 2nd Fri. of ea. mo, | | | |
| | | **1200 – 1300** Lung MCC Rnds | | | |
| | | **1300 – 1400** Resident Hot Seat Rds, | | | |

(All rounds in DI Conference Room 10102, unless otherwise specified)

More info can be found on the McMaster ETA website: [https://fhseta.mcmaster.ca/](https://fhseta.mcmaster.ca/)
The Department of Radiology uses the MacFACTS CV system for the purpose of Tenure and Promotion. MacFACTS is a simple CV management system, which allows faculty members to manage their career activities in a McMaster CV format. It also allows for simple navigation, access to data, academic tracking, as well as easy data entry.

In order to access MacFACTS, or to learn more, please visit: [https://www.csu.mcmaster.ca/appdev/macfacts](https://www.csu.mcmaster.ca/appdev/macfacts)

If you have any questions pertaining to MacFACTS, you can contact Sue Gaudet or Marilynn Scott within the Department of Radiology, or Barb Halliday from CSU (Computer Services Unit) at bhallid@mcmaster.ca

Another great resource tool that you can utilize when working on your MacFACTS CV is available at this link: [https://fhs.mcmaster.ca/facultyrelations/documents/2013CVGuidelinesLunchnLearn.pdf](https://fhs.mcmaster.ca/facultyrelations/documents/2013CVGuidelinesLunchnLearn.pdf)

**Are you remembering to acquire teaching evaluations for all of your teaching contributions?**

The McMaster University Revised Policy and Regulations with Respect to Academic Appointment, Tenure and Promotion (2012) Section III, Clause 8 states that: “The assessment of a candidate’s teaching shall be based on student and peer evaluation”. Annual Peer Evaluations are now mandatory for review and/or consideration for promotion.

We have created evaluations forms for Faculty Rounds, Non-specified Teaching Sessions and Peer Teaching Evaluations and they are all available in hard copy at each of the four sites. If you don’t have copies of these forms please see the administrative assistant at your site or contact the Chair’s office and we will be happy to send you copies.
Clinical Teaching Fundamentals - Online 6 week course

The Program for Faculty Development is offering a course - Clinical Teaching Fundamentals; it is online offered to individuals with a McMaster MAC ID.

This course is "free of charge" and has been found to be quite helpful for clinical preceptors/educators (both novice and experienced).

There is still time for individuals to register, and anyone interested should do so, prior to January 5th, 2018.

The course runs from: January 20th - March 8th, 2018 (with sign-in and pre-prep - January 17th-19th).

Clinical Teaching Fundamentals - ONLINE 6-week course -

January 20th - March 8th, 2018

Module Topics:

Mod 1: Characteristics of Effective Clinical Educators
Mod 2: Building an Effective Clinical Education Climate
Mod 3: Effective Teaching Strategies
Mod 4: Individualizing Your Teaching for the Learner
Mod 5: Strategies to Assist the Struggling Student
Mod 6: Effective Formative Assessment

More details available here:

[Flyer and registration details for Clinical Teaching Fundamentals (ONLINE)]

The course is delivered ONLINE in 6 modules.
Participants must have a valid MacID and password.
[Visit here to check if you have a valid MacID], or contact uts@mcmaster.ca 905-525-9140, x24357
We are pleased to welcome Dr. Eshan Haider as our new Fellowship Director.

We would also like to thank Dr. Mary Chiavaras for her dedication and hard work as Fellowship Director for the past 3 years.

Fellows Welcome Dinner at The Hamilton Club in September
COMPETENCY-BASED MEDICAL EDUCATION (CBME): COMPETENCE COMMITTEE

With Competence by Design (CBD), we introduce the important concept of a competence committee.

- The Competence committee synthesizes the data from many low-stakes observations for each trainee and makes recommendations related to promotion (or progress).
- A regular review of residents’ progress facilitates a developmental approach, supporting resident learning over time.
- Competence committees also help identify residents who are not meeting their milestones and can help to arrange support and coaching for the resident.
- By shifting promotion discussions to the competence committee, interactions between individual residents and observers can focus on coaching feedback to help improve residents’ performance (i.e. assessment for learning).

For any questions on CBME please contact Dr. Karen Finlay (finlay@hhsc.ca).
Mary Kolich is retiring from Diagnostic Imaging at the HHS as of January 31st, 2018. Mary started her career at the Chedoke site in 1981, where she worked as an MRT and Sonographer. In 2011, Mary joined the team at UCC/MUMC and continued to work in both modalities. Mary will continue to volunteer and work part-time after her retirement. A farewell tea will be announced in the near future to celebrate Mary’s new journey!

We wish Mary all the best, she has been an asset to the team.
Anniversary Pins

Congratulations to the following individuals on their milestone anniversary pins. Thank you for your continued hard work and dedication!

5 YEARS
Esam Ibrahim MRT (R) MUMC
Aisha Younas MRT (M) MUMC

10 YEARS
Catherine Baker MRT (R) MUMC
Maria Sagar MRT (M) MUMC

15 YEARS
George Djogo MRT (R) MUMC
Elizabeth McKay MRT (M) MUMC
Kelly Peck Booking Clerk MUMC
Sue Marshal Clerk Typist 4 MUMC

35 YEARS
Lori Collins MRT (R) MUMC 35 years
The staff from MUMC and UCC site would like to thank the Radiologists for the fantastic lunch from the Greek Palace in celebration of Medical Radiation Sciences Week.
Halloween

Our MUMC ultrasound techs getting into the Halloween spirit

Holiday Celebrations

Dr. Craig Coblentz provided cappuccino's for the HGH staff, a Coffee Holiday Extravaganza!
On November 16th the Hamilton Ultrasound Group (HUG) held a presentation at Mohawk College—Institute for Applied Health Sciences at the McMaster University Campus.

Thank you to Dr. Nina Stein for her lecture on pediatric and adult thyroid ultrasound.

A special thank you goes to Lynne Farrell, senior of ultrasound, and Linda Guralski at the MUMC site for organizing this HUG event!
As we know, research is part of the academic mission of McMaster University and Hamilton Health Sciences, and research training is critical to create the next generation of academic clinicians. At the McMaster Medical School, only half of the students engage in quality research experiences during their studies. McMaster would like to change that, and to address this gap, the medical school has created a Director of Research & Scholarship position.

The Director has recently reached out to ask faculty to support medical students through their research. Some ways to do this are as follows:

1. Teach medical students research methods by engaging in research and scholarship activities within their research group.
2. Mentor students through research horizontal electives: these are new structures, which a student can secure a regular weekly time to work on a research project.
3. Supervise students’ research enrichment year program.
4. Continuous Quality Improvement: A supervisor can take a student into a CQI project and register this with the electives office to get academic credit.

Please consider using a McMaster Medical Student on your next research project! If you would like to do this, a short form must be completed and sent to Ms. Nazin Alam (alamn6@mcmaster.ca). Please feel free to email Research Manager, Jane Castelli (castelli@mcmaster.ca) for a copy of this form.
According to the Guinness world records, the tallest Christmas tree ever cut was a 221 foot Douglas fir that was displayed in 1950 at a shopping centre in Washington.

Christmas trees usually grow for approximately 15 years before they are sold.

The traditional three colours of Christmas are green, red and gold. Green has been a symbol of life and rebirth, red symbolizes the blood of Christ, and gold represents light as well as wealth and royalty.

Ancient peoples considered mistletoe sacred because it remains green and bears fruit during the winter when all other plants appear to die.

The highest grossing Christmas movie of all time is How the Grinch Stole Christmas starring Jim Carrey.

A Yule log is an enormous log that is typically burned during the 12 days of Christmas (December 25th to January 6th). Some scholars suggest that the word yule means “revolution” or “wheel” which symbolizes the cyclical return of the sun.