

# ANNUAL REPORT 2019



Canadian Association of Radiologists  
L'Association canadienne des radiologistes

Aussi disponible en français sous le titre :

L'Association canadienne des radiologistes  
Rapport annuel 2019

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# ABOUT THE CANADIAN ASSOCIATION OF RADIOLOGISTS

The Canadian Association of Radiologists (CAR) is the national voice of radiologists in Canada, dedicated to imaging excellence and advocating for the highest standard of patient care across the country. The CAR is a recognized leader in education, research and innovation in radiology. The CAR is focused on providing world-class resources that empower our members to be more successful in their profession.

## CAR MISSION AND VISION

### MISSION

To be the national voice for medical imaging excellence in patient care.

### VISION

1. The CAR is the **national authority and voice of radiologists** speaking to the federal government, industry, provincial and international radiology organizations and other specialty societies on matters of radiology training, research, manpower, licensing, accreditation, standards and future trends in radiology.
2. The CAR is a strong organization with universal membership providing a **unified, guiding, respected voice for all Canadian radiologists** and the practice of radiology in Canada.
3. Emphasizing appropriate, safe and cost-efficient quality care, the CAR is the **preferred source of best practice information for radiologists, government, industry, healthcare authorities and the public**. The CAR actively disseminates best practices by creating and maintaining guidelines, standards and promoting continuing education for radiologists, other physicians, healthcare workers, healthcare policy makers and the public.

# BOARD OF DIRECTORS (2019–2020)



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Dr. Darren Ferguson (NB)



Dr. Daniel Petrie (NS)



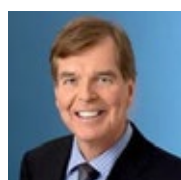
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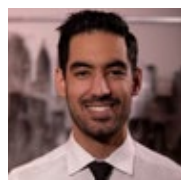
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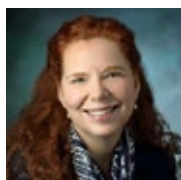
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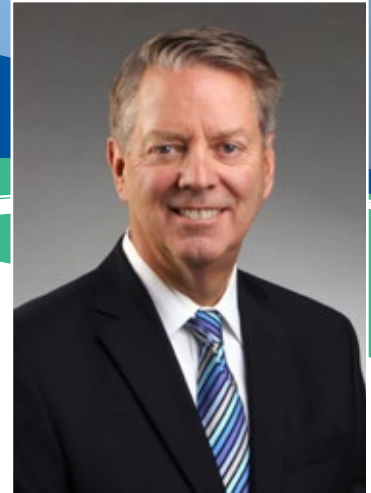
Dr. Sheldon Wiebe (SK)

## STRATEGIC GOALS 2018–2022

The CAR's aim is to be recognized as:

1. The **national voice of radiologists and advocate for the profession** in Canada, with the profession and beyond.
2. The **leader in setting practice guidelines and defining the quality agenda for diagnostic imaging** in Canada, and to facilitate the implementation of those practice guidelines to improve the quality of patient care.
3. A **relevant and valuable national association** by Canadian radiologists, providing unique programs and services.
4. A **resilient organization, able to respond to changing needs through a strong foundation** and operations that are aligned with association best practices.

# PRESIDENT'S MESSAGE



In my first year as CAR President, it has been an honour to serve our members and lead the association into the future.

2019 was a monumental year for the CAR, and I am confident with the direction our association is heading in and the progress that we are making. Our advocacy efforts are strong. With a focus on medical imaging equipment inventory, guidelines, and artificial intelligence the CAR is becoming recognized as a leader in organized radiology. The October 2019 **\$1.5 billion election pledge** from the Conservative Party of Canada for medical imaging equipment is among the top highlights for 2019. Although it did not come to fruition, the CAR received national exposure, making it into the headlines in over 32 publications. The recognition stemmed from the Conference Board of Canada's *Value of Radiology, Part II* report. Published in June 2019 this report was presented to all political parties before the election. There was interest from all going into the election. It will help to make policy makers, politicians, and Canadians more aware of the important role that radiologists play in the healthcare continuum. Our board, with support from the CAR staff, worked with the Conference Board of Canada to produce this report, which maintained **our key priority: federal investment in diagnostic imaging equipment to reduce wait times and save lives.**

Our initiatives over the last year have positioned the CAR as a leader in innovation in medical imaging. Under the leadership of Dr. An Tang (Université de Montréal), Chair of the AI Working Group, in collaboration with the Canadian Heads of Academic Radiology (CHAR), our association was part of a consortium of industry and academics who were awarded the Strategic Innovation Fund grant from the federal government for a total investment of \$48 million.

Another significant milestone in 2019 was the anniversary of the CAR's very own learning management system, **RAD Academy**. What started as an introductory education platform grew into a world-class online learning platform for radiologists. With over 150 educational offerings and our very successful conference, our members can easily attain their Royal College certification requirements through CAR membership. Currently, there are 2,600 members registered and over 550 active RAD Academy users.

The CAR continues to invest in the CAR Journal (CARJ) supported by the CARJ Working Group, Chaired by Dr Mathew McInnes (U Ottawa) and led by new Editor-in-Chief, Dr. Michael Patlas (McMaster). The journal also transitioned to a new publisher, SAGE. We have hit record numbers of submissions, and downloads. We have also had a dramatic drop in turn around times. The journal is resonating with members and authors in Canada and around the world.

Although we have made significant progress there is still a lot of work to do. We will keep the momentum going. I thank you, our members, for your support and confidence. I look forward to building on the foundation of these successes as we head confidently into 2020.

Dr. Michael Barry  
President  
Canadian Association of Radiologists



# MESSAGE FROM THE CHIEF EXECUTIVE OFFICER



Dear CAR Members,

It is a pleasure serving you all as the CEO of the Canadian Association of Radiologists. Over the past four years meeting radiologists from across the country continues to reveal the full reach, impact, and value of radiology in Canada. The real radiology story is told by our members through their experiences and wisdom. Over the last year, driven by Dr. Bill Chahal (University of Alberta) our Resident's section has really distinguished itself, bringing a new energy and enthusiasm that I believe all members find contagious. The CAR continues to endeavour to make you – our members – more successful.

## SEEN HEARD AND UNDERSTOOD ON PARLIAMENT HILL

2019 was an exceptional year for the CAR. The hard work of our members, board of directors and meetings on Parliament Hill, led to the \$1.5 billion pledge for new medical imaging equipment. *The Value of Radiology, Part II* report that was released in June (2019) laid the foundation for the advocacy efforts that led into the fall federal election. We have worked hard to present both strong health policies and to introduce these to the political landscape. We are in for the long game but now have the base to be able to respond to opportunities that present themselves in a meaningful way. This is the new CAR.

The role of radiologists in the healthcare continuum is as vital and important as it ever has been, and Artificial Intelligence will continue to make radiologists relevant. This benefits not only radiologists but patients.

## GROWTH IN RAD ACADEMY OFFERINGS ARE RESONATING WITH MEMBERS

RAD Academy, the CAR's learning management system, has celebrated a whole year of high-quality educational modules to provide our members access to all the CPD you need. In 2019, the CAR has taken this a step further, collaborating with organizations such as St. Michael's Hospital for their 6<sup>th</sup> Annual St. Michael's MRI Symposium. This is just the beginning of future joint ventures. In 2020, RAD Academy will also host webinars on a variety of subjects pertinent to radiologists. As the mainstay and signature event of the CAR, our annual scientific meeting (ASM) was the best yet with over 500 delegates in attendance.

## SERVING YOU, SERVING CANADIAN PATIENTS

At the core of medical imaging is patient care. It is the goal of every radiologist and the nexus at which all our initiatives meet. From our Days on the Hill to the quality standards for mammography accreditation, patient care is central to the CAR. All of this is only possible thanks to the tireless efforts of the Board of Directors' vision and consultation with our stakeholders.

Engagement among our members and the public is what drives the CAR. We work for you, our members. At the CAR our aim is to offer resources for radiologists to be as successful as possible in their practice. This is accomplished through participation in working groups, steering committees, and our annual scientific meeting. Simultaneously, we use these platforms, along with social media, to foster a sense of community and camaraderie for medical professionals and the patients at the centre of your work, bridging the conversation between radiologists, patients, and the public.

I have just touched on our five pillars for success: advocacy, patient care, education, research and innovation, and engagement. I invite you to read the full report to gain further insight into our initiatives for 2019. I would like to thank the CAR board of directors and working groups for their commitment to radiology and their relentless efforts to improve the practice in Canada.

I look forward to continuing the momentum and reaching greater heights in 2020.

Nick Neuheimer  
Chief Executive Officer  
Canadian Association of Radiologists

# 2019 A YEAR IN NUMBERS

1	CARJ new Editor-in-Chief
1	MAP standard change
2	New member benefits: <i>discounted STATdx and access to fellowship and job opportunities</i>
2	Co-developed educational events: <i>St-Michael's Hospital/CAR MRI Symposium and Physician Wellness Symposium</i>
2	Practice Guidelines: <i>Management of Incidental Renal Mass in Adults and the Use of Gadolinium-Based Contrast Agents in Kidney Disease</i>
3	Position statements: <i>Canadian Task Force on Breast Screening Guidelines, Mammographic Breast Density and Supplemental Screening and Point of Care Ultrasound</i>
4	International meeting invites
7	Total corporate partners
8	Insights4Imaging modules
14	CPD accreditation applications processed
30	MP meetings
36	Video lectures on RAD Academy
68	News articles published
291	Attendees at the RSNA Canadian reception
509	Attendees at CAR 2019
535	RAD Academy signups
674	Units accredited by MAP
2,324	CAR members

# TOP 5 INITIATIVES

1. A pledge of **\$1.5 billion** in new medical imaging equipment was announced by the Conservative Party of Canada during their 2019 federal election campaign. This is due to the advocacy efforts of our members and meetings with MPs at Parliament hill.
2. ***The Value of Radiology, Part II***, a follow-up report from the original work by the Conference Board of Canada in 2018. The report was well received by the community and received exposure in over 32 media outlets across the country.
3. The Ministry of Innovation, Science and Development announced an investment of up to **\$48 million** in the Digital Health and Discovery Platform, which the CAR is a part of. These millions of dollars of funding are part of the federal government's Strategic Innovations Fund.
4. The establishment of the Canadian Society of Thoracic Radiology (CSTR), an affiliate of the CAR. It is a network of Canadian radiologists with an interest in cardiothoracic radiology. The society strives to encourage education, research, and administrative connections to maintain the highest standards of cardiothoracic imaging across Canada.
5. The 6<sup>th</sup> Annual St. Michael's/CAR MRI symposium. This joint educational event is the first of many future collaborations with other organizations.



# ADVOCACY

## NATIONAL VOICE OF RADIOLOGY

2019 saw a new high for the CAR's advocacy efforts. With the federal election as the driving force of all healthcare and political discussion during the entire year, the CAR took full advantage of federal parties' renewed interest in Canadian healthcare issues. In 2019, we built on our commitment and mandate to be the national voice of radiology. We had over 30 meetings on Parliament Hill as part of our annual Day on the Hill as well as several one-on-one discussions, making an incredible impact as parties embraced our suggestions.

Our social media presence was higher than ever before, reaching the public with our reports and infographics while continuing to foster a community and hub for discussion among radiologists.

Collaborating with provincial associations and other partners strengthened our messages and reaffirmed our presence as the national voice for radiologists across the country. From this, we were able to reach out to key opinion leaders in Canada to make an impactful impression. We have initiated the discussion regarding investment in medical imaging in Canada and have established strong relations with organizations such as Health Canada.

In 2020 we will be building on these priorities with several new initiatives so that politicians, patients and more broadly, Canadians, understand the true value of radiology.

## FOCUSING ON THE ISSUES

The CAR has a comprehensive advocacy strategy, focusing on priorities for our members, the field of radiology and Canadian healthcare. We submitted our fourth formal pre-budget submission to the House of Commons Standing Committee on Finance in the summer of 2019. This report was created to inform and influence federal leaders as they prepare the federal budget and consider spending priorities. The CAR's priorities for 2019 include:

1. ***Invest \$1.5 billion over three years, as part of the federal transfer to the provinces, to ensure that available imaging equipment meets the quality standards that patients deserve inclusive of seniors and indigenous communities***
2. ***Invest \$3 million in 2019 for medical imaging equipment in northern communities to help eradicate tuberculosis***
3. ***Invest \$9 million over three years to fund projects to implement clinical decision support tools for imaging referrals***
4. ***Invest \$10.5 million over three years to begin establishing federal frameworks to regulate the implementation of AI tools in medicine and healthcare***



## DAY ON THE HILL 2019

On April 30, CAR executives gathered in Ottawa to meet with members of parliament and discuss the 2019 election and ask for their support for advancements in medical imaging in Canada. The focus of the meetings included: a national medical imaging equipment fund, leadership in artificial intelligence and the Canadian Task Force on Preventive Healthcare Guidelines on breast screening. Given the upcoming 2019 election, the CAR opted to focus on quality interactions over quantity. On that day alone, the Executive met with 11 MPs from various parties. From this, we were able to garner support for our national medical imaging equipment fund, breast imaging guidelines and initiate a conversation regarding AI and clinical decision support within the House of Commons. Ultimately, this resulted in the **\$1.5 billion** medical imaging equipment pledge by the Conservative Party of Canada. We connected with all federal parties regarding our priorities for radiology.

The CAR is a registered lobbyist with the Lobby Commissioner of Canada and all of our meetings with federal MPPs are publicly available. We are committed to full transparency and accountability to our members as well as Canadians.

CAR members emphasized the value of radiology in healthcare, engaging in discussions of their areas of expertise. Events such as the Day on the Hill give us an opportunity to present the value of radiology and the essential work of radiologists which often goes unnoticed. Meeting one-on-one with MPs allows the CAR to raise awareness about the field and build bridges with decision-makers in the nation's capital so that the voice of radiologists can have a greater impact the healthcare system from coast to coast.





# RESEARCH AND INNOVATION

## ARTIFICIAL INTELLIGENCE

The White Paper titled *Ethical and Legal Issues Related to Artificial Intelligence*, championed by members of the CAR AI Working Group, received attention from not only the radiology community but also key decision-makers.

In June, the CAR was invited to appear before the Federal Standing Committee on Access to Information, Privacy and Ethics to discuss recommendations for ethical and privacy considerations in the implementation of AI. Dr. An Tang represented the CAR and the broader radiology community. He was received enthusiastically by the committee and was afforded the opportunity to highlight the recommendations included within the [white paper](#). A focal point of the discussion was when Dr. Tang was asked about the future of radiologists given the potential of AI in medical imaging. Dr. Tang's response was to quote the late Mark Twain: "the rumours of our demise are vastly exaggerated."

The work does not stop there. The AI Working Group continues to have a voice on AI as it impacts radiology. The Strategic Innovation Fund grant was announced by Navdeep Bains, Minister of Innovation, Science and Economic Development, earlier this summer. The consortium led by Imagia and the Terry Fox Research Institute was **awarded \$48 million** from the federal government for the development and implementation of AI. The CAR is pleased to be part of this consortium along with academic partners, including the Canadian Heads of Academic Radiology and looks forward to what the future will bring.

It is the CAR's belief that radiologists, as the experts in the use of imaging for diagnosis and treatment of disease, should be stakeholders in the development and implementation of data and AI-driven systems that will be deployed in radiology departments across the country.

Canada is a leader in AI research. Mobilizing fundamental AI and research for applications in medical imaging will define the way that the next generation of Canadians accesses and experience healthcare.



*"The Canadian Association of Radiologists is a key stakeholder of the research consortium led by the Terry Fox Research Institute and Imagia to create a Canada-wide health data platform. The creation of this Digital Health and Discovery platform, supported by a federal investment of \$48 million, will allow new imaging-based discoveries, especially in oncology, by federating patient data across the country and by using artificial intelligence."*

— Dr. An Tang, Chair, CAR AI Working Group



# PATIENT SAFETY

## QUALITY ASSURANCE

In keeping with our mission to promote safe, efficient, and quality healthcare for Canadians, the CAR works closely with recognized experts and other professional bodies to develop national standards and guidelines. Our goal is to ensure the optimal procedure is done the proper way so Canadians can benefit fully from diagnostic imaging and the skills and expertise of radiologists. The CAR's evidence based practice guidelines define the principles of practice that will best ensure quality. Serving as guidelines for healthcare professionals and industry, CAR practice guidelines promote high-quality care for diagnosis, medical practice, and treatment.

## CLINICAL PRACTICE GUIDELINES

In 2019, the CAR published two practice guidelines: **Recommendations for the Management of the Incidental Renal Mass in Adults**, led by Dr. Iain Kirkpatrick, and **Updated clinical practice guideline on use of gadolinium-based contrast agents in kidney disease issued by the Canadian Association of Radiologists**, led by Dr. Nicola Schieda.

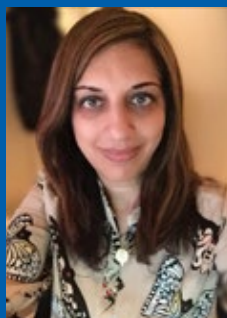
There were also three position statements published in 2019: **Statement on the Canadian Task Force on Preventive Health Care (CTFPHC) 2018 updated guidelines for Breast Cancer Screening**, by the CAR and the CSBI, **Position Statement on Mammographic Breast Density and Supplemental Screening**, led by Dr. Shiela Appavoo, and **The Canadian Association of Radiologists Position Statement on Point-of-Care Ultrasound** led by Dr. Tanya Chawla.

We have even more practice guidelines being released in 2020 that are currently in development:

- Recommendations for the Management of Incidental Hepatobiliary Findings in Adults led by Dr. Iain Kirkpatrick
- Breast Imaging and Intervention Guidelines (including various guidelines over 2020-2021) led by Drs. Shiela Appavoo and Jean Seely
- Consensus Guidelines for the Prevention of Contrast-Induced Nephropathy led by Drs. Blair McDonald and Swapnil Hiremath

## REFERRAL GUIDELINES

The Clinical Decision Support (CDS) working group appointed a new chair this year, Dr. Ryan Margau, who has already started discussions with provinces. The CAR has engaged CADTH and they have revisited the medical imaging inventory report and are also looking at health human resources. In 2020 we will be working at best practices on how to implement CDS.



*"I am very happy to have been involved in creating this document with our thoughtful and well-represented working group. At a time when our profession and our clinical colleagues are looking to have appropriate guidance*

*into the rapidly expanding field of POCUS, it has never been more important for us to reinforce the distinction between POCUS and an examination performed in the diagnostic imaging department. Within our position statement we confirm its appropriate utilization and scope, such that all those involved in patient care are practising ultrasound under the same rigorous standards to achieve the best outcome and quality for our patients."*

**– Dr. Tanya Chawla, Chair, CAR POCUS Working Group**

## THE MAMMOGRAPHY ACCREDITATION PROGRAM

As 2019 ended, 674 units across 530 facilities were MAP accredited. This was yet another year that broke a record, proving the increasing growth of accreditation in clinics and hospitals.

The CAR Mammography Accreditation Program (MAP) is an initiative instituted over 20 years ago to ensure that the quality of mammography images in Canada meets the highest standards. This voluntary program offers radiologists the opportunity for peer review and evaluation of their facility's staff qualifications, equipment performance, quality control, quality assurance programs, image quality, dose and processor quality control.

Patient safety through continuous quality improvement is the objective of MAP. It is in every patient and radiologist's best interest to ensure that when a patient undergoes a mammogram, it is completed in a manner that exposes her or him to the lowest possible radiation dose and risk, and ultimately results in an image that the radiologist can accurately interpret.

## READ STANDARDS

As of 2019, there is an increase in the requirement of the minimum number of mammography exams reported by a radiologist. The requirement increased from 480 to 1,000. The published literature has shown that higher reading volumes are associated with improved sensitivity and specificity. Many countries require between 2,000 and 5,000 reads per radiologist. Increasing the number of reads to 1,000 positively improves patient outcomes. This increase also brings the CAR MAP more in line with evidence-based standards, to ensure the safety of patients.

## MAP-ACCREDITED CENTRES AND UNITS YEARLY PERSPECTIVE

Jurisdiction	2016		2017		2018		2019	
	Centres	Units	Centres	Units	Centres	Units	Centres	Units
Alberta	69	87	69	86	68	86	74	92
British Columbia	39	44	38	43	39	45	41	48
Manitoba	9	15	8	13	9	15	9	15
New Brunswick	15	19	15	20	15	20	16	21
Newfoundland and Labrador	7	8	7	8	8	10	8	10
Nova Scotia	11	14	12	14	12	14	12	14
Northwest Territories	1	1	1	1	1	1	1	1
Ontario	236	305	230	298	235	311	234	303
Prince Edward Island	2	3	2	3	2	3	2	3
Quebec	122	155	119	153	118	150	199	152
Saskatchewan	13	14	12	13	13	14	14	15
Total	524	665	513	652	520	669	530	674





## EDUCATION

### CELEBRATING A YEAR OF RAD ACADEMY

In 2018, the CAR changed the education landscape by launching RAD Academy, a learning management system (LMS) dedicated to continuing professional development (CPD) for radiologists. Throughout 2019, RAD Academy gains even more momentum and popularity. Considered one of our most valued member benefits, the LMS offers all the section 3 maintenance of certification (MOC) credits a radiologist could need. RAD Academy continues to be a success, featuring resident-specific resources that facilitate the transition from medical school to radiology residency to a fulfilling career in radiology.

This platform takes our CPD offerings to the next level and improves radiologists' overall learning experience with several resources. RAD Academy is made for CAR members, by CAR members. For radiologists, it's your one-stop-shop for CPD. Everything on the platform caters to our members and their desire for a comprehensive, specialized education in radiology.

With new activities continuously being added, CAR members have exclusive access to innovative learning opportunities from global leaders in radiology on emerging trends and technologies, tips and techniques to improve patient care as well as enhance their knowledge and competencies across the CanMEDS framework.

The CAR is dedicated to supporting lifelong learning in the pursuit of helping radiologists stay at the cutting edge of medical imaging. With over 50 available offerings, RAD Academy presents a variety of CPD activities from Insights4Imaging, the accredited journal-based self-assessment program to didactic video lectures and interactive modules covering a gamut of topics in diagnostic and therapeutic medical imaging, including every session from the CAR's 2019 conference and the 6th Annual St. Michael's MRI Symposium.

### CELEBRATING THE CAR'S 82<sup>nd</sup> ANNUAL SCIENTIFIC MEETING

This year's annual scientific meeting, held from April 11 to 14 in Montreal, QC, marked the 82nd anniversary of the Canadian Association of Radiologists. The theme was Experience the Future of Radiology. With over 500 delegates from across Canada and around the world, the meeting featured talks by leading radiologists, industry and healthcare professionals, excellent networking opportunities and cutting-edge technology. This year's conference was especially noteworthy because of the inauguration of the new CAR President, Dr. Michael Barry.

The annual event is not only an opportunity for radiologists to learn about the latest scientific developments in radiology, but it also allows colleagues to convene face-to-face to share information, professional stories, clinical research, insights, and ideas for future projects.

*RAD Academy continues to gain popularity with 25% of our members engaged on a weekly basis. Since its launch in September 2018, RAD Academy has been a tremendous success.*

There was much to learn and celebrate at this year's conference and here are just some of the highlights:

- CAR 2019 was attended by over 500 delegates and welcomed 28 exhibitors (a new record)
- Dr. Michael Barry was inaugurated as the new CAR President.
- Along with a new President, the CAR now has a new board of directors.
- The CAR 2019 award ceremony, hosted by Dr. Charlotte Yong-Hing, acknowledged and celebrated the best and brightest in Canadian radiology, recognizing recipients of the CAR Gold Medal, the CAR Distinguished Career Award, the CAR Young Investigator Award and awards for every division of the scientific and educational abstract contests.
- This year's Hot Topics session was on ethical and legal issues in AI for radiologists. Specifically, the session discussed issues surrounding AI R&D, the risk of implicit bias in data collection and data sets, research design, patient engagement, and the role of industry. This talk was well attended and fostered a fervent Q&A.
- The workshops were sold-out and well-received by delegates. CAR 2019 featured workshops on CT colonography, led by Dr. Tanya Chawla, and prostate MRI, led by Dr. Silvia Chang.
- The Radiologists-in-Training Reception welcomed future radiologists to unwind and network with their peers. It was wonderful to celebrate the role of trainees within the CAR.
- Improving each year are digital poster presentations, which were engaging and well-attended by conference delegates. It was a high-quality turnout full of impressive projects from across Canada.
- Overall, CAR 2019 was a huge success, with a vibrant meeting and a greater delegate turnout than any year before. Thank you to all who attended and spoke at sessions, as well as Conference Chair, Dr. Michael Patlas, for making CAR 2019 the best annual scientific meeting to date.

## A FOCUS ON RESIDENTS

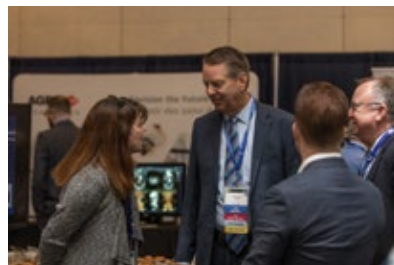
The meeting's program once again featured the hugely popular Resident Track, which attracted a record number of participants. It included a Clinical Audit Workshop, So You Made a Mistake: Dealing with Imperfection in Radiology and the ever-popular Junior and Senior Hot Seat Sessions. The residents were also invited to attend the Radiologists-in-Training Reception for a chance to network, meet members of the CAR's Board of Directors and hear from their resident-representative.



*"The CAR Resident and Fellow Section has been working diligently this year to address a number of initiatives important to its members. An introductory financial planning lecture is being developed through collaboration with the CAR's corporate partner, MD Financial Management, to address concerns raised through needs assessments of residents and fellows requesting education surrounding personal finances, business, and transition to practice. The creation of an electives database for trainees has been initiated to provide trainees an easy to use source of information to connect with academic institutions and community radiology groups. This should also hopefully provide an additional member benefit to community radiology groups by assisting their recruitment efforts. We have engaged in numerous efforts to increase engagement of trainees within the Canadian radiology community including advocating for institutional enrollment of fellows and increased trainee leadership positions within the CAR and affiliate organizations, collaborating with CAR's international and national affiliates/partner organizations, and preparing for the launch of a Medical Student Network to ensure we continue to recruit high-quality trainees into the profession and provide opportunities for their lifelong engagement in the CAR."*

— Dr. Baljot "Bill" Chahal, CAR Board of Directors, Resident Representative





## CAR AWARD WINNERS

As part of CAR 2019, the CAR hosted an awards ceremony, hosted by Dr. Charlotte Yong-Hing, recognizing the winners of the CAR awards, as well as contest winners. The evening was the perfect opportunity to acknowledge the high-calibre work of several of the CAR's members.

## RECOGNIZING EXCELLENCE



### CAR GOLD MEDAL AWARD

Dr. Bruce Forster, MSc, MD, FRCPC, FCAR  
Professor and Head, Department of Radiology, University of British Columbia Faculty of Medicine



### CAR YOUNG INVESTIGATOR AWARD

Dr. Faisal Khosa, MD, MBA, FFRCSI, FRCPC, DABR  
Associate Professor, University of British Columbia



### DISTINGUISHED CAREER ACHIEVEMENT AWARD

Dr. Giles Stevenson, BMBCh, FRCR, FRCP, FRCP (C), FRCSEd (HON)  
Professor Emeritus, McMaster University

## EDUCATIONAL EXHIBITS

1<sup>st</sup> place – Darya Kurowecki, Michael Patlas, Ehsan Haider, Abdullah Alabousi

*IgG4-RELATED DISEASE: CURRENT STATUS AND FUTURE DIRECTIONS*

2<sup>nd</sup> Place – Joseph Yang, Nancy Chen, Ian Silver, Jonathan Butler, Donatella Tampieri, Omar Islam, Martin ten Hove, Benjamin Kwan  
*A Global Overview of Globe Pathologies*

3<sup>rd</sup> Place – Davis Holmes, Isabelle Dupuis, Natasha Dehghan, Kun Huang, Darra Murphy  
*Out with The Old, In with The New: Clinicoserologic Classification of Inflammatory Myositis and Imaging Findings*

## RADIOLOGIST-IN-TRAINING RESEARCH PROJECTS

1<sup>st</sup> place – Timothy Miao, Beatrice Lau, Aaron Fenster, Lori Gardi, Jonathan Izawa, Joseph Chin, Ashley Mercado, Derek Cool  
*Does the prostate MRI definition of sextant regions adequately correspond with transrectal ultrasound to direct non-fusion TRUS biopsy of suspicious MRI masses?*

2<sup>nd</sup> Place – Craig Stewart, Vanessa Wiggermann, G.Y. Robin Hsiung, Luanne Metz, David Li, Anthony Traboulsee, Alexander Rauscher  
*Susceptibility-sensitive MRI to distinguish MS-related white matter FLAIR-lesions from hyperintensities due to CIS, dementia and concussion*

3<sup>rd</sup> Place – Samuel Neufeld, Iain Kirkpatrick  
*Appropriateness of MRI at a tertiary care Canadian hospital according to CAR referral guidelines*

## SCIENTIFIC RESEARCH PROJECTS

1<sup>st</sup> Place – Zaid Jibri, Mandi Bzdell, Rebecca Hibbert, Kawan Rakhra  
*Does cadaveric simulation training improve resident knowledge and confidence in performing fluoroscopic guided joint injections?*

2<sup>nd</sup> Place – Robert Henderson, Xin Yi, Scott Adams, Paul Babyn  
*Deep learning for automatic multi-catheter detection on pediatric radiographs*

3<sup>rd</sup> Place – Francesco Macri, Elina Khasanova, Nathaniel Mercaldo, Anushri Parakh, Avinash Kanbadakone, Travis Redeo, Dushyant Sahani  
*Personalized Contrast Media Injection Protocols for Abdominal CT studies*

## DEPARTMENTAL CLINICAL AUDIT PROJECTS

1<sup>st</sup> Place – Hussam Kaka, Anna Sacchini, Linda Celeste, Abdullah Alabousi  
*Implementation of an electronic city-wide protocoling system for after-hours radiology studies*

2<sup>nd</sup> Place – Dennis Parhar, Brendan Quiney, Yogesh Thakur, Michelle Smith, Carly Launza, Sheila Boyd  
*Protect Yourself Before You Wreck Yourself: Radiation Protection in Interventional Radiology*

3<sup>rd</sup> Place – Davis Holmes, Raman Srivastava, Tong Lam, Jason Shewchuk  
*Appropriateness of CT Head Imaging in 1st Episode Psychosis*



## VALUE OF RADIOLOGY RESEARCH PROJECT AWARD

1<sup>st</sup> Place – Kevin Kobes, Annemarie Bymoen, Yogesh Thakur, Charlotte Yong-Hing

*Introduction of Mobile Radiography Guidelines Reduced the Number of Inappropriate Chest Radiographs Performed in British Columbia*

2<sup>nd</sup> Place – Ania Kielar, Khaled Elsayes, Victoria Chernyak, An Tang, Richard Do, Gary Dellacerra, Sandeep Deshmukh, Claude Sirlin  
*How can we help you? Elevating the value of radiology for liver reporting by asking our surgical and clinical colleagues what they need from our reports*

3<sup>rd</sup> Place – Frances Walstra, Siobhan O'Neill, Arvind Vijayasarithi, Savvas Nicolaou, Noriko Salamon, Peter Munk, Faisal Khosa  
*Communication in Emergency Radiology*

*Thank you to the Canadian Association of Radiologists for offering the Value of Radiology category for us to showcase our work on reducing unnecessary mobile radiography requests! To be able to contribute towards the value of our specialty for our patients and our whole medical field is incredibly rewarding, and it was an honour to be recognized for our work by the Canadian radiology community at CAR 2019.*

– Dr. Kevin Kobes, CAR Value of Radiology winner,  
University of British Columbia

## DEPARTING BOARD MEMBERS

The awards ceremony was also an occasion to recognize our departing Board Members. We thank the following individuals for their dedication and hard work.

Dr. Lindsay Cherpak – Resident Representative (ON)

Dr. Martha Hernanz-Schulman – ACR Representative

Dr. Daniel Lindsay (MB)

Dr. William Miller (ON) (Past President)

Dr. Amol Mujoomdar – CAIR Representative (ON)

A photograph of two people shaking hands, with one person wearing a white lab coat. The image is partially obscured by a blue and green curved graphic at the bottom.

# MEMBERSHIP ENGAGEMENT

## EXPANSION OF MEMBERSHIP

At the end of 2019, we had a total of **2,324 members**. This is an **increase of 4%** from last year, showing a positive trend in the CAR's membership. Expansion and engagement of our membership is always a top priority for the CAR, allowing us to solidify our position as the national voice of radiologists. Members are central to the CAR, as we work first and foremost to provide resources to make members more successful in their roles.

## CONNECTING WITH OUR MEMBERS

Year after year the CAR expands its presence on social media channels. This grew considerably in 2019. We recorded 169 new users on Facebook and gained 966 new followers on Twitter, an **increase of 61% from the past year!**

Our partnership with The Rounds became fully realized throughout the year as we hosted ask-me-anything (AMA) sessions on this social media platform for medical professionals. These AMAs allowed members, Canadian physicians, patients, and the public an opportunity to discuss our guidelines and position statements with the very doctors who chaired the working groups that wrote them.

These insider interviews were on Breast Density and Supplemental Screening and Point-of-Care Ultrasound with Drs. Shiela Appavoo and Tanya Chawla, respectively.

The CAR newsletters continue to resonate above industry averages, communicating our advocacy, educational opportunities, quality improvement initiatives and member resources. On average, the CAR's Beyond the Image newsletters have an open rate of 42%, more than double that of other national societies. This is an increase of 2% from last year, indicating a steady growth in our members' engagement.

Our association has once again increased the number of benefits for membership, including discounted resources, reduced Annual Scientific Meeting registration, complimentary subscription to the CAR Journal and exclusive access to RAD Academy, our learning management system.

\* Reciprocal member provinces — in order to deliver maximum benefit to its members, and recognizing the complementary roles that a national body and provincial bodies play in serving Canadian radiologists, the CAR has entered a Reciprocal Membership agreement with the provincial radiology associations from Alberta, British Columbia, Nova Scotia and Quebec whereby radiologists practicing in these provinces must become members of both organizations to be members of either.

\*\* Medical students (adhered by their own means) and radiology residents (adhered through their universities), including international residents and medical students.

# OUR 2019 PARTNERS

We are pleased to acknowledge the CAR's corporate partners. The CAR has benefited from our relationship with these organizations from a financial perspective, knowledge sharing and in-kind contributions. Without their support, we would not be able to fulfill our goals and objectives.



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For more information about the CAR or our programs and services please visit [car.ca](http://car.ca) or our social accounts on Facebook and Twitter @CARadiologists.



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