

Research and Education in Our Own Hands



Fondation
radiologique
canadienne

**La recherche et l'éducation
entre nos mains**

Annual Report 2023



Aussi disponible en français sous le titre :

La fondation radiologique canadienne
Rapport annuel 2023

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About the Canadian Radiological Foundation

Vision

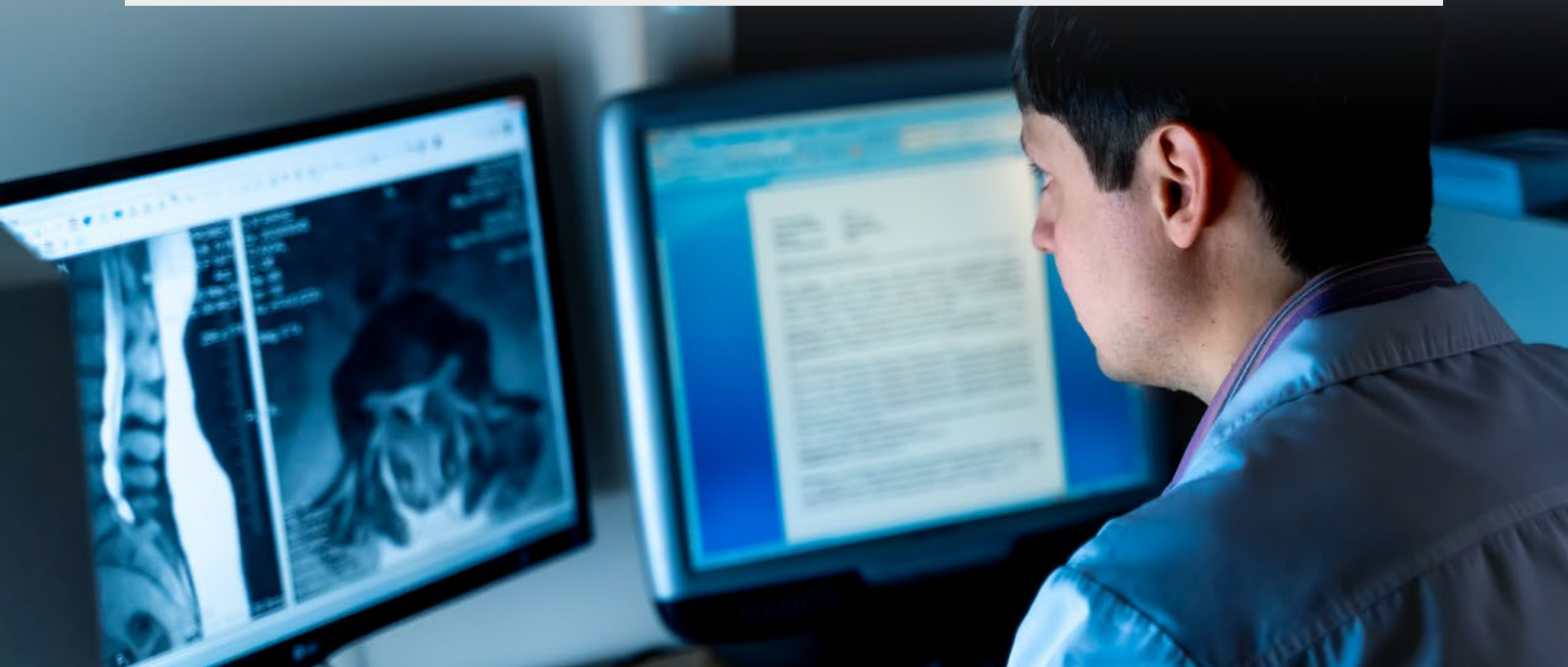
To ensure the sustainable future of patient-focused RADIOLOGY research, education and innovation excellence in Canada and beyond.

Mission

To promote the art and science of radiology through research and education.

The Canadian Radiological Foundation (CRF) achieves its mission through the funding of projects which help to shape the future of radiology in Canada. In support of this directive, the CRF has sustained the following activities.

- **Research Awards** – In support of studies and research projects in diagnostic radiology or interventional procedures, the CRF provides the opportunity to apply for research awards accordingly.
- **Medical Student Awards – NEW IN 2023**
In support of the CAR's Resident and Fellows Section (RFS) and Medical Student Network (MSN), the CRF is offering three different Medical Student Awards.
- **CSI Radiation Safety Award – NEW IN 2023**
In support of Canada Safe Imaging (CSI), the CRF offers a Radiation Safety Award.
- **CAR ASM Scientific Awards** – The CRF sponsors the CAR Annual Scientific Meeting (ASM) abstract awards. Many of the recipients have gone on to complete further research and contribute to radiology.
- **Leadership Courses in Radiology** – The CRF provides new and unique leadership courses in radiology designed to help radiologists expand their leadership skills and contribute to the future of radiology in Canada.
- **Leadership Scholarships** – The CRF offers leadership scholarships to allow CAR members to acquire and develop leadership skills to become radiology leaders of tomorrow.
- **Educational Outreach** – The CRF sponsors CAR members to attend and lecture at various international radiology conferences.
- **Reports and Guidelines** – The CRF has commissioned various reports such as ***The Lifecycle Guidance for Medical Imaging Equipment in Canada***.





Message From the President

I would like to take this opportunity to thank our dedicated Board of Directors, the CAR's staff and most of all, our generous donors, without whom, all the valuable work that the CRF undertakes would not be possible. Also, a special thanks goes out to Dr. Jamie Fraser who recently completed his term as CRF President. His dedication and commitment to the Foundation is truly remarkable. Fortunately, Dr. Fraser will remain on the Board of Directors, and we can continue to draw from his experience.

I would also like to acknowledge the Canadian Heads of Academic Radiology (CHAR) who help to fund several joint research grants for the radiology community. Through our partnership with the CHAR and with the support of our donors, we can support many radiologists in training in their pursuit of radiology research and facilitate projects centring on medical imaging and patient care.

The last few years have been particularly challenging times for everyone given the pandemic and ongoing challenges in the radiology community in terms of lengthy wait times and shortages of health human resources. Also, with rising costs and inflation, it has created financial instability for many. We are truly grateful to those donors who continue to support us through these challenging times. For those who may not have donated but are considering contributing to the Foundation, we would encourage you to look through the valuable projects and programs the CRF enables and would welcome your support.

Dr. Emil Lee, MD FRCPC FCAR
President of the Canadian Radiological Foundation

2023-2024 Board of Directors

The CRF Board of Directors is elected by the members of the CRF at the Annual General Meeting (AGM). The CRF's 2023 AGM took place on April 27, 2023 in Montreal.

The 2023-2024 CRF Board Directors are:

Dr. Emil Lee (BC)
(President)



Dr. Andrea Lum (ON)
(Vice President)



Dr. David Vickar (AB)
(Secretary-Treasurer)



Dr. James (Jamie)
Fraser (NS)



Dr. Louis-Martin
Boucher (QC)



Dr. Narinder Paul
(CHAR)



Dr. Kiana Lebel
(Resident)



Accomplishments

It was another great year of supporting excellence in radiology research and education for the Canadian Radiological Foundation (CRF). Thanks to the generous contributions of our donors, there were numerous great accomplishments throughout the year to recognize.

Research Awards

In view of the COVID-19 pandemic, the CRF, in conjunction with the Canadian Heads of Academic Radiology (CHAR), directed their funds accordingly to help our community and most importantly our patients during these challenging times and therefore awarded a grant to:



Dr. Mary Beth Bissell (The Ottawa Hospital) for *The impact of the COVID-19 pandemic on breast cancer method of detection and stage at diagnosis at The Ottawa Hospital*

The CRF and CHAR also funded:



Dr. Jesse Klostranec (McGill University Health Centre) for *Neurite Orientation Dispersion and Density Imaging for Microscopic Tissue Evaluation in Aneurysmal Subarachnoid Hemorrhage*



Dr. Giselle Revah (The Ottawa Hospital) for *CT Chest Findings in Marijuana smokers compared to tobacco and non- smokers: A prospective cohort study*

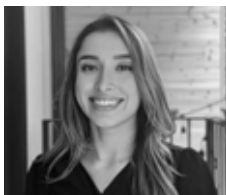
Medical Student Awards (NEW in 2023)

The CRF and the CHAR have a keen interest in the future of radiology and are working to support medical students and encourage radiology as a specialty in Canada and as such, have launched these Medical Student Awards in 2023:



Radiology Leadership Scholarship Award

Dr. Kathleen MacMillan
Dalhousie Medicine,
New Brunswick



Radiology Research Summer Studentship Award

Dr. Nika Elmi
McMaster University

CAR ASM Indigenous Scholarship Award

Expecting
applications in 2024

Canada Safe Imaging Radiation Safety Award (NEW in 2023)

The CRF is offering a Radiation Safety Award which is attributed to the best poster presentation aligned with a minimum of one of the five main priorities identified by CSI, namely Optimization, Justification, Quality and safety, Education and Research.



Dr. Moulay Ali Nassiri

Centre intégré universitaire de santé et de services sociaux de l'Estrie – Centre hospitalier universitaire de Sherbrooke for *Pilot Project to Monitor Patient Radiation Exposure in Medical Imaging* Implanted at CIUSSS de l'Estrie – CHUS, Sherbrooke, Quebec, Canada



Canada Safe Imaging
Imagerie Sécuritaire Canada

CAR ASM Scientific and Educational Awards

The CRF continues to support the Canadian Association of Radiologists' (CAR) Annual Scientific Meeting contests as part of its efforts to recognize and honour the work of Canadian radiologists and radiologists-in-training in advancing radiology research. The CRF was pleased to give the following prizes presented at CAR 2023 held in April.



Departmental Clinical Audit

1st Place

Project: The FIND Program: Improving Follow-up of Incidental Imaging Findings

Authors: Kaitlin Zaki-Metias¹, Jeffrey MacLean¹, Alexander Satei¹, Serguei Medvedev¹, Huijuan Wang¹, Christopher Zarour¹, Paul Arpasi²

Institutions: ¹Trinity Health Oakland Hospital/Wayne State University School of Medicine, ²Trinity Health Oakland Hospital/Huron Valley Radiology

2nd Place – University of Alberta: **Bo Bao**, Chris Fung
An Audit on Radiology Resident Competency in Managing Acute Contrast Reaction

Radiologists in Training

1st Place

Project: Screening Detection Rate of Breast Cancer in Post Mastectomy Patients Treated with Autologous Reconstructions: A Tertiary Care Study

Authors: Marissa Absi¹, Amit Katyan², Raman Verma¹, Jean Seely¹

Institutions: ¹University of Ottawa, Department of Radiology, ²University of British Columbia, Department of Radiology

2nd Place – ¹Département de radiologie, radio-oncologie et médecine nucléaire, Université de Montréal, Montréal, Qc, Canada, ²Centre de recherche de l'Université de Montréal (CRCHUM), Montréal, Qc, Canada, ³Department of Pathology, Centre hospitalier de l'Université de Montréal, Montréal, Qc, Canada, ⁴Mila – Quebec AI institute, Montréal, Qc, Canada: **Pamela Boustros¹**, Pedro Vianna², Sara-Ivana Calce², Emre Aslan¹, John Marinos¹, Talal Alamri¹, Cassandra Larocque-Rigney¹, Laurent Patry-Beaudoin¹, Yi Hui Luo¹, Kim-Nhien Vu¹, Jessica MurphyLavallée¹, Jean-Sébastien Billiard¹, Emmanuel Montagnon², Michaël Chassé², Bich Nguyen³, Eugene Belilovsky⁴, Irina Rish⁴, Guy Wolf¹, Guy Cloutier², An Tang²
Assessment of Hepatic Steatosis on B-Mode Ultrasound by Radiologists and Deep Learning

3rd Place – ¹University of Montreal, ²McGill University: **Lojan Sivakumaran¹**, Richard Liu², Sahir Bhatnagar², Louis-Martin Boucher²
Determinants of Failure of Visceral Artery Catheterization with the Cobra Catheter

Scientific Exhibits

1st Place

Project: The 'FLAIR' Motor Sign: FLAIR Signal Abnormality in Precentral Cortex is Useful to Diagnose Adult Global Hypoxic-ischemic Brain Injury Following Cardiac Arrest

Authors: Jaykumar Nair¹, Sarah Abdulla³, Aditya Bharatha², Manish Joshi⁴, Lyne Noel de tilly²

Institutions: ¹Department of Radiology, Dalhousie University, QEII Health Science Centre, Halifax Infirmary Hospital, Halifax, Canada, ²Department of Medical Imaging, St. Michael's Hospital, University of Toronto, ³Salford Royal NHS Foundation Trust (UK), ⁴Department of Radiology, University of Calgary

2nd Place – ¹Department of Radiology, Radiation Oncology and Medical Physics, University of, Ottawa, Ottawa, ON, Canada, ²Ottawa Hospital Research Institute, Ottawa, ON, Canada, ³Department of Medicine (Neurology), The Ottawa Hospital/The University of Ottawa, ⁴Montreal Neurological Institute and Hospital, Genetics, McGill University, Montreal, Quebec, Canada: Gerd Melkus¹, **Marcos L. Sampaio¹**, Shaoni Chakraborty², Ian C. Smith², Kawan S. Rakhra¹, Pierre R. Bourque³, Ari Breiner³, Jocelyn Zwicker³, Hanns Lochmüller³, Bernard Brais⁴, Jodi Warman-Chardon³
Quantitative vs Qualitative Muscle MRI: Imaging Biomarker in Patients with Oculopharyngeal Muscular Dystrophy (OPMD)

3rd Place – ¹Department of Pediatrics, McMaster University, Hamilton, ON, Canada, ²Department of Radiology, Children's Hospital of Winnipeg, University of Manitoba, ³Department of Pediatrics and Child Health, Children's Hospital of Winnipeg, University of Manitoba: Reem Amer¹, **Katya Rozovsky²**, Yasser Elsayed³, Martin Bunge², Chiu Aaron³
The Effectiveness of an Optimized Ultrasound Protocol to Confirm Central Venous Catheter Placement in the Preterm Infant

Educational Exhibits

1st Place

Project: MRI Characterization of T1W Hyperintense Osseous and Soft Tissue Lesions

Authors: Muhammad Israr Ahmad, Adnan Sheikh

Institutions: University of British Columbia

2nd Place – Department of Radiology, Vancouver General Hospital, University of British Columbia: **Eman Almomen**, Silvia Chang, Emily Pang, Amrita Kalantri
Rare Solid Pancreatic Lesions: A Pictorial View

3rd Place – Department of Medical Imaging, The Ottawa Hospital, University of Ottawa, Ontario, Canada: **Oscar Osorio Cruz**, Jessie Kang, Carolina Souza, Carole Dennie
Hypersensitivity Pneumonitis: Review of the 2020 Guidelines with Interactive Cases and a Helpful Checklist

CARJ Podcast

The CRF has financed the Radiology Roundtable Podcast, a podcast launched by the Canadian Association of Radiology Journal (CARJ) in September 2023, in which they have an informal chat with the authors of some of the most interesting papers the CARJ has published.



- Episode 1 – ChatGPT in Radiology
- Episode 2 – Misinformation and Breast Screening
- Episode 3 – Social Media and Radiology Medical Education
- Episode 4 – The Current and Future State of Interventional Radiology
- Episode 5 – The Landscape of Rural and Remote Radiology in Canada



Physician Leadership Workshop for Women in Radiology

The CRF is proud to have provided some financial support for the 2nd virtual workshop, which was a tremendous success.

On January 21, 2023, a group of radiology leaders assembled to discuss women leadership in radiology and to share best practices. Dr. Daria Manos, a professor of radiology at Dalhousie University and President of the Canadian Society of Thoracic Radiology, championed this initiative with assistance from Dalhousie Radiology and a steering committee of radiologists from across the country. The 70 participants benefited from an impressive roster of speakers.



Donations

Thanks to the generous support of donors, the CRF was able to reach a significant donation total, including more than \$16,000 from the Annual Scientific Meeting alone! We appreciate the continued contributions from our members which have allowed the CRF to develop projects and initiatives which otherwise would not have been possible.

The CRF is grateful to its long-time donors and to new supporters through the 500 Club. This exclusive club is dedicated to inspiring radiologists to help increase the Foundation's impact on imaging care and the Canadian's radiological landscape.

DONATE TODAY

JOIN THE 500 CLUB

Special acknowledgement to our corporate donor
Siemens Healthineers for their contribution.



Total Donations received in 2023: \$33,338

The CRF would like to publicly recognize the following donors:

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Adel Assaf	Brenda Farnquist	Sarah Koles	Angela Pickles
Sandra Bosse	Martin Finnegan	Mario Kontolemos	Eric Pike
Louis-Martin Boucher	Carolyn Flegg	David Lautner	Gopee-Ramanan Prasaanthan
Pierre Bourgouin	Rachel Fleming	Emil Lee	Linda Probyn
British Columbia Radiological	Bruce Forster	Wolim Lee	Herly Pulgar Hughes
Society	James Fraser	Brian Lentle	Jean Seely
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			Carl Zylak

For more information on the CRF or to submit a request for funding consideration, please visit the **CRF website**.