

**Canadian
Radiological
Foundation**

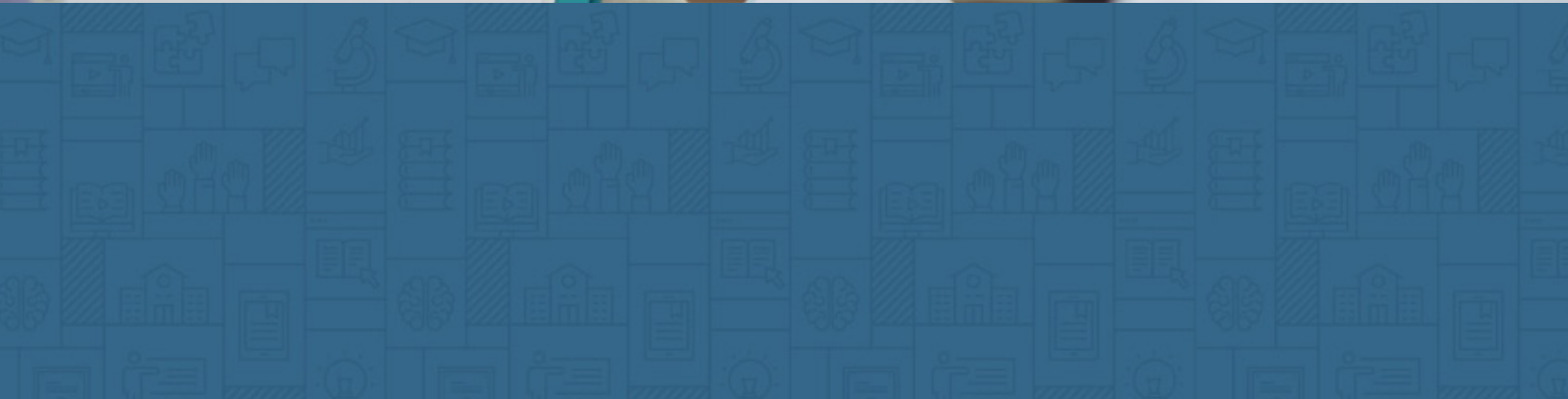
Research and Education
in Our Own Hands



**Fondation
radiologique
canadienne**

La recherche et l'éducation
entre nos mains

2021 Annual Report



Aussi disponible en français sous le titre :

La fondation radiologique canadienne
Rapport annuel 2021

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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.
- **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.
- **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.
- **Reports and Guidelines** – The CRF has commissioned various reports such as *The Lifecycle Guidance for Medical Imaging Equipment in Canada*.





Message From the President

It is a pleasure to provide this message in concert with the CRF Annual Report. I am greatly enjoying my fourth and final year as president, and it has indeed been a busy one for our Foundation. As with all charities, the pandemic again brought unique challenges to the CRF in 2021, but I am most proud of the resiliency of our Board, staff and especially our community, in continuing to support our mission.

The CRF enhanced its collaboration with the Canadian Heads of Academic Radiology (CHAR) with respect to research grants. Through this partnership the CRF has been able to support many radiologists and radiologists-in-training in their pursuit of radiology research. Much of this research is having a valued impact on medical imaging and patient care delivery in Canada.

Our sincere thanks to all donors, and to the CAR’s staff for their ongoing commitment; we would not exist without your support. If you are not already a CRF donor, we ask that you please consider donating to our worthy cause. Your financial support is essential to keep our programs going – and growing. 2022 promises to be a very exciting year as the Foundation continues its commitment in investment in imaging, intervention, informatics and artificial intelligence education and research. I am confident that the Board and incoming new President will continue to guide our Foundation in the best directions to accomplish our mission.

Dr. Bruce Forster, MSc MD FRCPC FCAR
President of the Canadian Radiological Foundation

2021-2022 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 2021 AGM took place virtually on May 1st.

The 2021-2022 CRF Board Directors are:

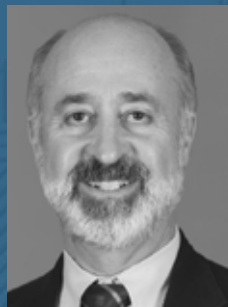
Dr. Bruce Forster
(BC) (President)



Dr. Andrea Lum (ON)
(Vice President)



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



Dr. James (Jamie)
Fraser (NS)



Dr. Louis-Martin
Boucher (QC)



Projects

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 grants to:



Dr. Robert Lim (University of Ottawa, Ottawa Hospital)

Using AI to determine prevalence of pre- or asymptomatic COVID-19 in patients undergoing chest CT for a non COVID indication within Eastern Ontario – a collaborative multicenter observational study



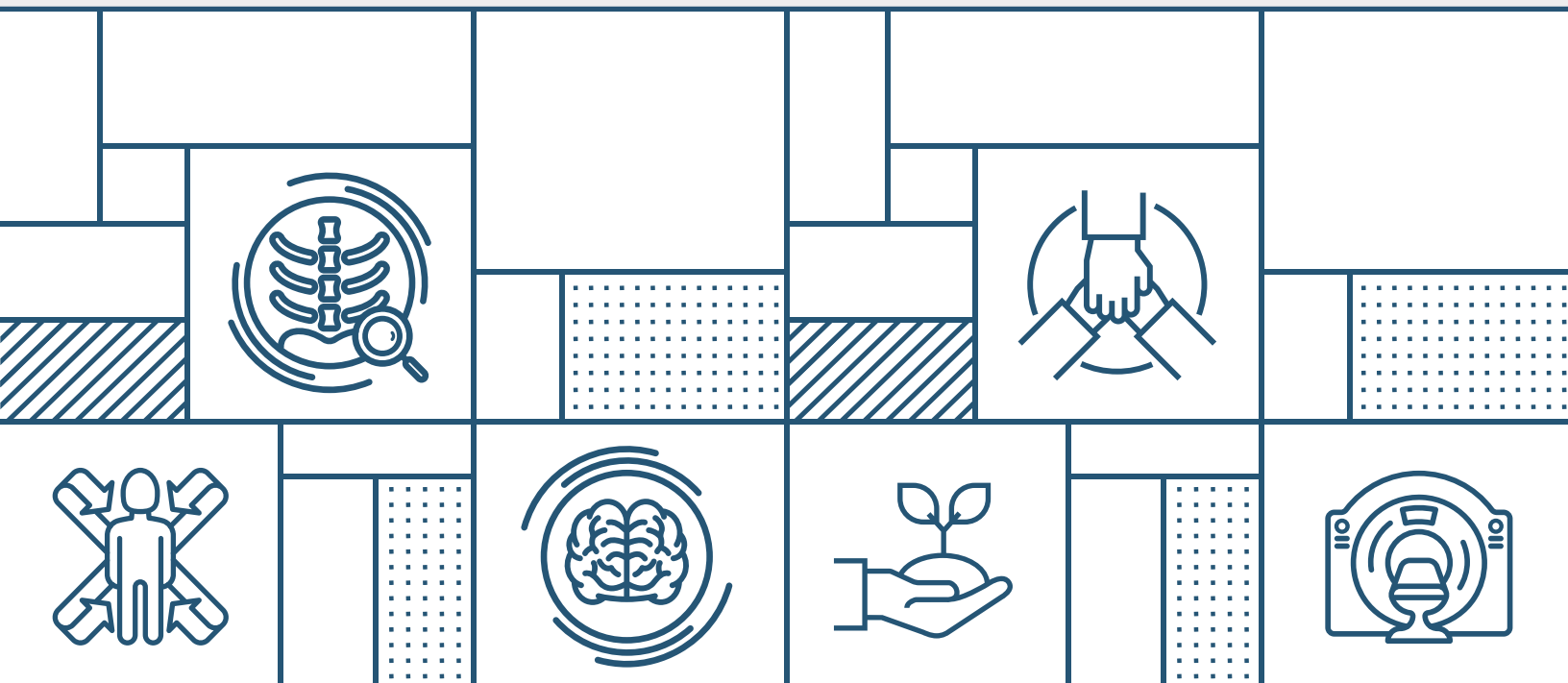
Dr. Yuhao Wu (Royal University Hospital, Saskatoon)

Using Virtual Reality as a Remote Educational Tool During the COVID-19 Pandemic



To honour the Multiple Sclerosis Awareness Month, the CRF also funded **Dr. Roberta La Piana (Montreal Neurological Institute, McGill University)**

*for Quantitative MR to distinguish genetic mimickers from multiple sclerosis which is the natural development of the previously CRF funded study entitled *Neuroradiological, clinical and genetic characterization of new forms of hereditary leukoencephalopathies.**



CAR ASM Contest Prizes

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 virtually at CAR 2021 held in April.

Departmental Clinical Audit

CAR 2021

1st Place

Project: Diabetic Foot: How to Investigate Better

Authors: Aisin Ibrahim¹, Moncef Berkache², Soheib Andoulsi³, Philippe Morency-Potvin³, Daniel Juneau³, Martial Koenig³, Karine Bourduas³, Véronique Freire³

Institutions: ¹McGill University, ²Laval University, ³University of Montréal

2nd Place – BC Children's Hospital, University of British

Columbia: Naoya Shatani, Juvel Lee, Heather Bray, Robert Baird, Dan Rosenbaum

Optimizing Distal Colostogram Technique in Infants with Anorectal Malformation

3rd Place – Memorial University of Newfoundland: **Victoria**

Linehan, Claire Woodworth, Anuj Dixit, Melissa Skanes
Out of Sight, Out of Mind: Improving IVC Filter Insertion and Removal Rates at a Tertiary Care Centre

Radiologists in Training

CAR 2021

1st Place

Project: Deep Learning-Based Automatic Tumour Segmentation in Breast-Conserving Surgery Navigation Systems

Authors: Zoe Hu¹, Tamas Ungi², Jay Engel¹, Gabor Fichtinger², Doris Jabs¹

Institutions: School of Medicine, School of Computing, Queen's University

2nd Place – University of Alberta: **Ali Poonja**, Rahim Samji,

Murad Bandali, Sara Ilnitsky

Clinical Pregnancy Success Rates Post Fallopian Tube Recanalization: A Retrospective Cohort Study in Edmonton, Alberta

3rd Place – Dalhousie University: **Morgan Lawley**,

Jessica Dobson, Francine Heelan, Daria Manos
Correlation of Faculty Gender and Resident Gender at Canadian Radiology Residency Programs

Educational Exhibits

CAR 2021

1st Place

Project: Modern Radiologic Diagnosis and Management of Acute Cholecystitis – What's New in the Hot Gallbladder

Authors: James P. Nugent, Jessica Li, Alison Harris

Institutions: Department of Radiology, University of British Columbia

2nd Place – ¹School of Medicine, Royal College of Surgeons

in Ireland, ²Vancouver General Hospital, ³BC Cancer Agency, ^{4,5}Singapore General Hospital: **John D. Karp**¹, Prem Ruben Jayaram², Charlotte J Yong-Hing³, Theresa Li-Cheng Lee⁴, Nancy Martin², Steven Bak-Siew Wong⁵, Gordon T Andrews², Bruce B Forster²
Advanced MRI of the Rotator Cuff: Tough Stuff About the Cuff

3rd Place – ¹University of British Columbia, ²Vancouver General Hospital: **Kenneth Holmes**¹, Shamir Rai², Savvas Nicolaou², Nicolas Murray^{1,2}

Systematic Approach to Sonography of Testicular Masses

Scientific Exhibits

CAR 2021

1st Place

Project: Cochrane 'Living' Systematic Review on Diagnostic Accuracy of Imaging for COVID-19: Update 2

Authors: Nayaar Islam, Sanam Ebrahimzadeh, Jean-Paul Salameh, Sakib Kazi, Nicholas Fabiano, Lee Treanor, Marissa Absi, Zachary Hallgrimson, Mariska MG Leeftang, Lotty Hoof, Christian B van der Pol, Ross Prager, Samanjit S Hare, Carole Dennie, René Spijker, Jonathan J Deeks, Jacqueline Dinnes, Kevin Jenniskens, Daniël A Korevaac, Jérémie F Cohen, Ann Van den Bruel, Yemisi Takwoingi, Janneke Van De Wuyert, Johanna AAC Damen, Junfeng Wang, Matthew DF McInnes, Sanam Pirshahid

Institutions: University of Ottawa, Ottawa Hospital Research Institute

2nd Place – ¹University of Ottawa

²University of Toronto, ³University of Calgary: **Paulo Puac Polanco**¹, Cheemun Lum¹, Ronda Lun¹, Dar Dowlatshahi¹, Grant Stotts¹, Michel Shamy¹, Aditya Bharatha², Dylan Blacquiere¹, Bijoy Menon³, Franco Momoli¹, Dave Prasham¹, Rebecca Thornhill¹, Carlos Torres¹
Can CTA Discriminate Between Free-Floating Thrombus and Plaque in Patients with Stroke/TIA? A Canadian Multi-Centre Study

3rd Place – ¹Dalhousie University, ²Nova Scotia Health, ³IWK Breast Health Centre, ⁴Nova Scotia Breast Screening Program, ⁵Oslo Breast Screening Registry: **Mohamed Abdolell**^{1,2}, Nicole Paquet², Kaitlyn Tsuruda, Penny Barnes^{1,2}, Peter Brown^{1,2}, Judy Caines³, Jennifer Payne¹, Olivia Tong¹, Sian Iles^{1,2,3}
Association Between Patient and Physics Acquisition Parameters and Mammography Positioning Errors

Leadership Workshop for Women in Radiology

The CRF is proud to have sponsored this inaugural event which took place virtually on October 23, 2021 to discuss women's leadership in radiology and to share best practices. **Dr. Daria Manos**, Professor of radiology at Dalhousie University and President of the Canadian Society of Thoracic Radiology championed this initiative which was **a stunning success with over 80 participants!** The attendance was a mix of community, trainee, and academic radiologists from across Canada.

The content varied from general discussions on empowerment, barriers to leadership, and equity to more specific tips for conflict resolution, negotiating, building a personal brand and dealing more effectively with hospital administrators. There was a final wrap up session featuring expert panelists who shared their experiences and lessons learned.

Some of the feedback from participants included:

"The workshop was fantastic. It brought to light areas of disparity between male and female physicians and some potential solutions to change that. As a radiologist who switched from Academic to Community Radiology, the workshop inspired me to get more involved in the residency program again and be present to mentor female radiologists and support them."

"This was an excellent conference, and it was great to join this community of women radiologists. There were so many excellent tips and good advice. I particularly enjoyed how freely these women shared in their experiences."



What I've Learned



Panel Discussion

Moderated by Dr. Ania Kielar with Dr. Daria Manos



Dr. Lindsay Cherpak



Dr. Andrea Lum



Dr. Carolyn Flegg



Dr. Charlotte Yong-Hing



Dr. Rebecca Hibbert



Dr. Sonya Sagredo

Donations

In April 2019, the CRF launched its **500 Club** campaign to inspire 500 radiologists to help increase the Foundation's impact on imaging care and the Canadian radiological landscape.

- We are targeting a goal of \$250,000 annualized contributions over three years.
- Donations are used to advance initiatives related to the five CRF pillars.
- Donors receive recognition from CRF in communications, access to Donor Lounge at the CAR Annual Scientific Meeting and a limited-edition pin recognizing membership to the 500 Club.

The CRF would like to sincerely thank all its funders for their donations over the years. Their contributions have allowed the CRF to develop projects and initiatives which otherwise would not have been possible.

Total Donations received in 2021: \$35,650

The CRF would like to publicly recognize the following donors:

Nourah Almubarak	Carole Dennie	Wolim Lee	Daniel Petrie
Shiela Appavoo	Sukhvinder Dhillon	Keith Lemay	Angela Pickles
Paul Babyn	Julian Dobranowski	Edward Lembke	Josephine Pressacco
David Barnes	Yale Erenburg	Emmanuelle Lemercier	Linda Probyn
Simon Bicknell	Martin Finnegan	David Leswick	Martin Reed
Louis-Martin Boucher	Carolyn Flegg	Jacques Levesque	Anabel Scaranelo
Daniel Bourgeois	Bruce Forster	Clifford Levi	Heidi Schmidt
Pierre Bourgouin	James Fraser	David Li	Rob Sevick
Michael Bristow	Gavin Hamilton	Jennifer Lombard	Adnan Sheikh
Gregory Butler	David Hammond	Andrea Lum	Jason Shewchuk
Marcel Caissie	Connie Hapgood	Edward Lyons	Gilles Soulez
Barry Caplan	Alison Harris	Deborah Mabin	Lawrence Stein
Bernice Capusten	Scott Harris	Stewart MacMillan	I. Scott Sutherland
Jeff Chankowsky	Angus Hartery	Daria Manos	Ahmed Taha
Carl Chartrand-Lefebvre	Nathalie Ibrahim	Andrew Mason	Jana Taylor
Joseph Chin	Erik Jurriaans	Matthew McInnes	Christian van der Pol
Terry Chung	Arlene Kanigan	Willie Miller	David Vickar
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Derek Cool	Iain Kirkpatrick	Elsie Nguyen	Richard Walker
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Amelie Damphousse	Brenda Larios	Michael Patlas	Stephen Ying
Barry Davidson	Emil Lee	Visal Pen	Ah Young Jung
			Carl Zylak

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