



Canada
Safe
Imaging

Imagerie
Sécuritaire
Canada

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RSNA
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UNIQUE ASPECTS OF THE CAMPAIGN



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Vision

To focus on strengthening medical radiation protection in patients and fostering a culture of radiation safety in healthcare in Canada



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Mission

- To develop an **action plan** relating to radiation safety for medical imaging care in Canada.
- To develop awareness and adoption of current and emerging radiation patient protection **strategies** for Canadians.
- To promote procedural **appropriateness** that attains greatest medical benefit.
- To support evidence-based best practice **guidelines**
- To facilitate a strategic approach to conduct **scientific inquiry** on the effects of radiation on human health.



Governance

A unique collaborative approach with an executive committee comprised of:

- three (3) representatives of national radiology organizations (CAR, CAMRT, COMP);
- three (3) research organization or university representative or an academic or non-academic health sciences centre;
- one (1) representative from MEDEC, the Canadian medical technology industry association.



Participating Organizations

The following organizations are the founding members of Canada Safe Imaging:

- Association des Radiologistes du Quebec
- Canadian Association of Medical Radiation Technologists
- Canadian Association of Nuclear Medicine
- Canadian Association of Radiologists
- Canadian Cardiovascular Society
- Canada Health Infoway
- Canadian Interventional Radiology Association
- Canadian Organization of Medical Physicists
- Canadian Partnership Against Cancer (CPAC)
- Centre d'Expertise Clinique en Radioprotection
- Choosing Wisely Canada
- MEDEC
- Ontario Association of Medical Radiation Sciences
- Ordre des technologues en imagerie médicale et en radio-oncologie du Québec
- Radiation Safety Institute of Canada



SUCCESSES



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National and International Recognition

Canada Safe Imaging officially announced December 2015 and is featured on a number of organization's websites:

- CAMRT
- CAR
- Choosing Wisely Canada
- COMP
- IAEA
- Image Gently
- Latin Safe



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Canada Safe Imaging Website

<http://canadasafeimaging.ca>



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ABOUT CSI

Today's medical imaging technologies provide unprecedented visibility into the body. As medical imaging technologies and techniques continue to evolve rapidly so has their utilization and subsequent exposure of patients to ionizing radiation.

In 2012 the International Atomic Energy Agency (IAEA) and the World Health Organization (WHO) launched an initiative that was supported by 77 countries and 16 organizations, titled the "**Bonn Call For Action**," which outlines ten major strategies for promoting radiation protection. In response, a new campaign has been formed, which brings together many stakeholders to strengthen medical radiation protection across Canada following an inclusive approach. The delivery of health care is a provincial responsibility but a focused national strategy and a unified effort is needed to ensure radiation safety in medical imaging for all Canadians.

A **Canada Safe Imaging** has been formed to address this need for a national strategy and action plan as it relates to radiation safety for medical imaging care in Canada.

UPCOMING WEBINAR

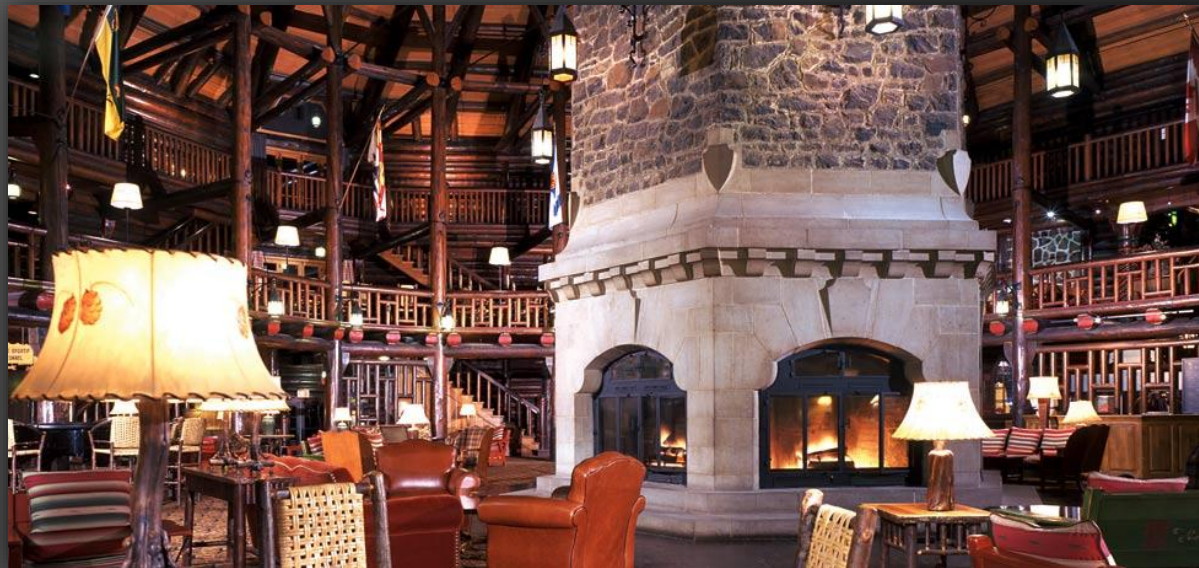
[March 21, 2016](#) | [Jane Castelli](#)

The Radiation Protection of Patients Unit of the IAEA is pleased to announce the next free webinar on Radiation induced skin injuries in interventional procedures, scheduled for 5 April 2016, 3 pm CET, with presenter Prof. Madan Rehani. More information for the webinar and how to attend it is available from the link: <https://rpop.iaea.org/RPOP/RPoP/Content/AdditionalResources/Training/free-webinars/upcoming-webinar/index.htm>
The recorded past webinars can be viewed from

[READ MORE](#)

Winter School

February 2nd - 5th , 2017
Fairmont Le Chateau, Montebello
Joint conference COMP - CSI



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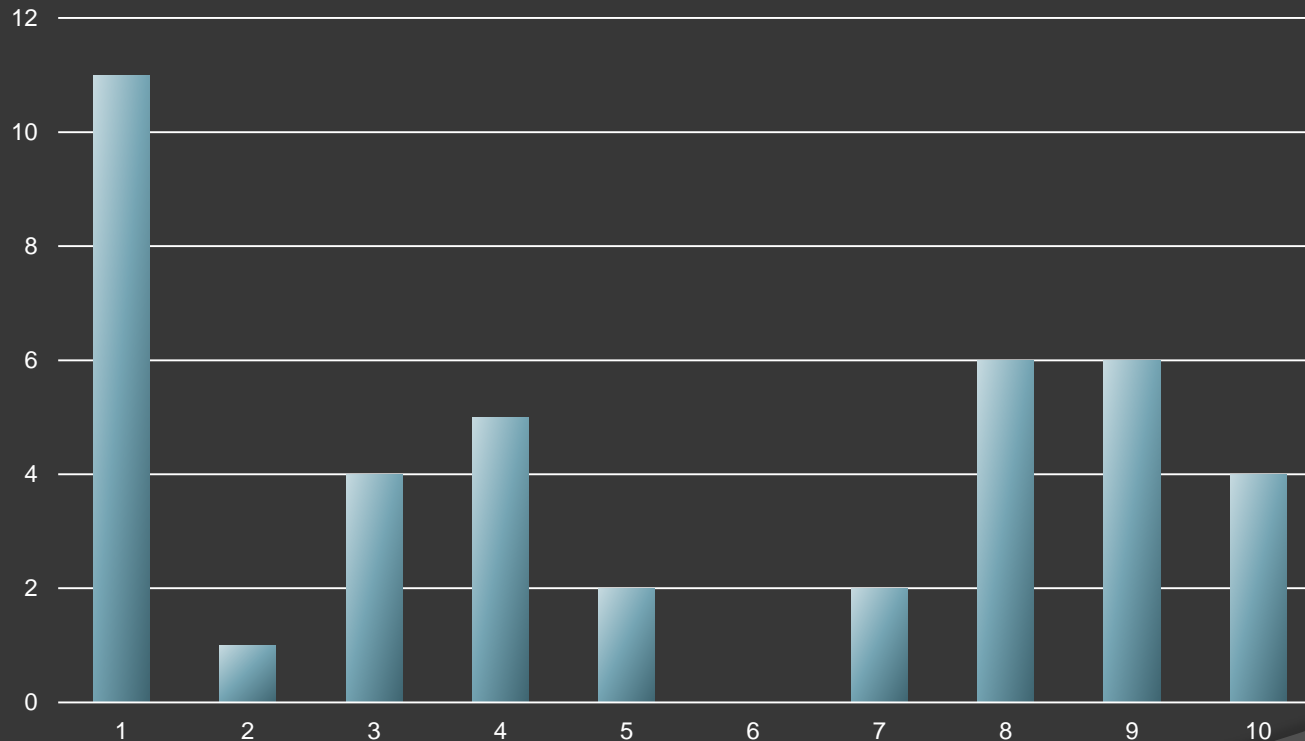
Environmental Scan

- An environmental scan has been performed to identify the organizations involved in medical radiation protection at the federal and provincial levels.
- This information has been processed to identify the areas not currently addressed and will be used to craft the CSI strategic plan.



Environmental Scan

Number of 22 National Organizations
Aligned with Bonn Call for Action Strategies

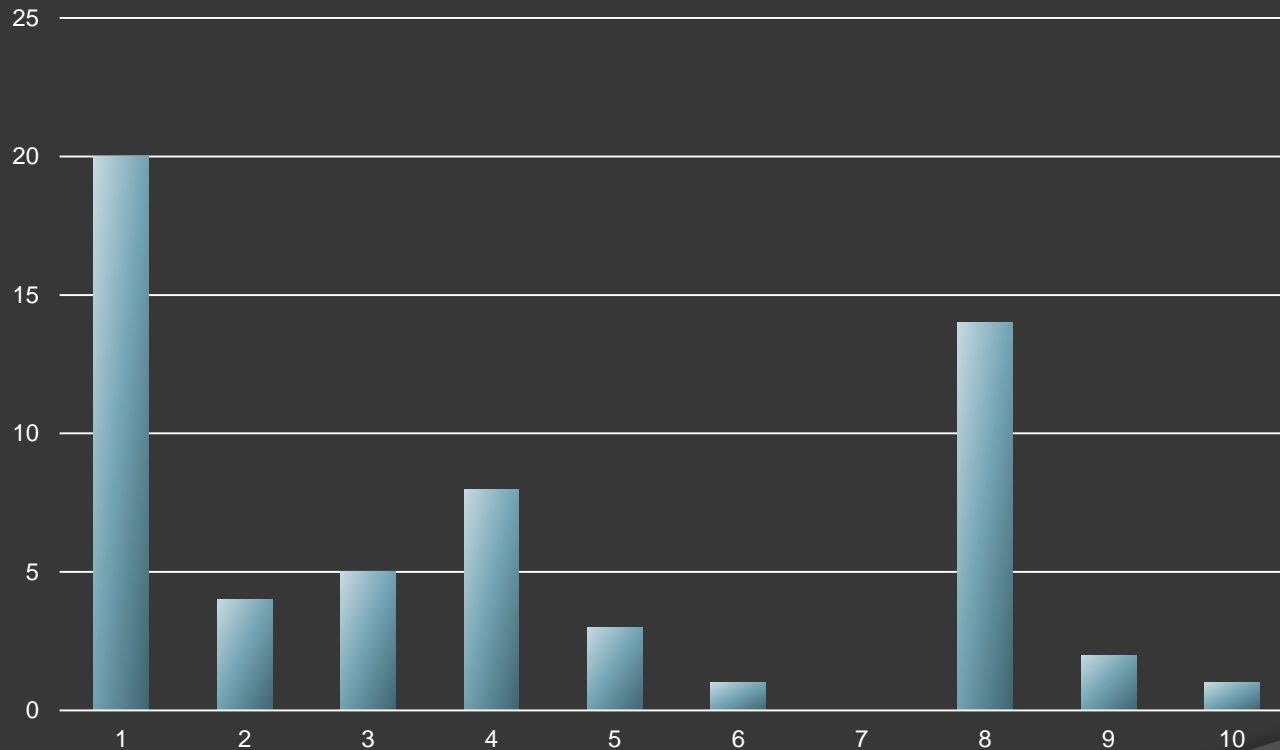


Key strategies (2, 5, 6 and 7) are not being addressed by any or very few organizations. No organization is addressing all ten strategies and the most any one organization is addressing is five strategies.



Environmental Scan

Number of 41 Provincial Organizations
Aligned with Bonn Call for Action Strategies



Key strategies (5, 6, 7, 9 and 10) are not being addressed or by very few organizations. No organization is addressing all ten strategies and the most any one organization is addressing is five strategies.



Environmental Scan

- ⦿ Action 2: Optimization of protection and safety: DRLs, QA programs, patient exposure records.
- ⦿ Action 5: Support for research.
- ⦿ Action 6: Information on medical exposure in medicine.
- ⦿ Action 7: Prevention of medical radiation incidents and accidents.
- ⦿ Action 9: Radiation benefit risk dialogue
- ⦿ Action 10: Strengthen implementation of safety requirements



CADTH Survey

CSI has partnered with the Canadian Agency for Drugs and Technologies in Health (CADTH) to perform a survey on the awareness and application of the principles of the Bonn Call for Action amongst Canadian health care professionals working with radiation equipment in medical imaging.



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CADTH Survey

- The survey included health professionals from all Provinces.
- Results will be made available in early 2018.



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Toll Free Number

CSI has joined forces with two respected organizations with extensive expertise in radiation safety, the Radiation Safety Institute of Canada (RSIC) in Toronto and the Centre d'Expertise Clinique en Radioprotection (CECR) in Sherbrooke to offer a new and free service, respectively in English and French, to answer concerns from the general public and health professionals related to radiation safety.



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Toll Free Number

Toll-free number can be accessed at:

- 1-800-263-5803 in English
- 1-877-839-1217 in French

Questions may be sent by e-mail at:

- info@radiationsafety.ca in English or
- cecr.chus@ssss.gouv.qc.ca in French



EFFORTS AND OPPORTUNITIES



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Future Initiatives

For 2018, the focus of CSI is:

- Develop a 5-year strategic plan based on the findings of the two environmental scans;
- Develop a marketing campaign to expand membership and support base;
- Promote and develop awareness about Canada Safe Imaging both nationally and internationally;



Future Initiatives

- CSI will work with regulators/accreditors and provide Canadian contextualized guidelines and tools to meet the Bonn Call-for-Action recommendations for patient radiation safety.

- New mission statement:

To provide Canadian contextualized guidelines and tools for patient radiation safety.



CHALLENGES



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Challenges

- Ensure sustainability in securing ongoing support from key founding organizations.
- Lobby government to obtain funding required to implement strategic plan.



Acknowledgements

◎ Board of CSI:

- Dr Thor Bjarnason – COMP
- Rene Boyer – MEDEC
- Dr Helen Chen – U Waterloo
- Dr Sandor Demeter – U Manitoba
- Dr David Koff – Chair
- Dr Daniel Lindsay – CAR
- David Wormald – CAMRT

