

# **CRCPD** *Newsbrief*

Conference of Radiation Control Program Directors, Inc.

[www.crcpd.org](http://www.crcpd.org)

A Partnership Dedicated to Radiation Protection

December 2025

## FROM THE CHAIRPERSON



### ADDRESSING UPCOMING NEEDS AND PRIORITIES

by Patrick Mulligan

As 2025 comes to a close, I want to send warm wishes for a happy holiday season and a prosperous 2026 to all of you and your loved ones. I really can't believe this year is over already and another six months as serving as your Chair is already behind me. December always brings excitement with the holidays and special times. It is a great time to reflect on the activities and changes that the year brought and to look forward to the coming year. So as the new year approaches, many of us are assessing our performance this past year and making resolutions for the future. At CRCPD we are doing the same:

- continually looking at what we have done and if it has been effective;
- constantly looking towards the future; and
- anticipating the needs of the radiation protection community as technology continues to challenge us every year.

I, and the rest of the Board, understand that this is our role and we will continue to work very hard into the new year to provide you with the leadership and guidance that you expect from us.

### ENDING THE YEAR

*"It is a great time to reflect on the activities and changes that the year brought and to look forward to the coming year."*

*Patrick Mulligan*

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**FROM THE CHAIRPERSON**

(continued)

**ADDRESSING UPCOMING  
NEEDS AND PRIORITIES**

As I also reflect, I can't help but be constantly amazed at all the CRCPD does. As an organization dedicated to radiation protection, it's so important for us to keep up with the changing and new technologies. We couldn't do this without our members! **So many, many thanks to all of you for the hard work you did this past year and for the anticipated continued work you will do in the new year to make a difference for Radiation Protection and Public Health and Safety. You are all amazing professionals!**

**NRC Rulemaking and CRCPD Review**

As you all are probably aware, Executive Order 14300 directed the NRC to perform several tasks. One is a complete review of all NRC regulations and another is to re-evaluate the basis for the linear non-threshold model and ALARA. These directives may have significant and far-reaching effects on radiation protection in every state and territory across the nation. **It is expected that rule revisions will start to be posted to the Federal Register during the first quarter of next year. The public comment period is also expected to be short, perhaps as little as 30 days.** That means we all need to be prepared to act swiftly and in coordination to provide feedback and comments to NRC on the changes.

**The CRCPD has put together a task force to quickly assess and assign rulemaking changes to various existing working groups.**

We also stand ready to create additional ad hoc task force groups to address any changes that do not fall within the purview of existing working groups. In addition, the CRCPD Board has scheduled a special meeting in December with the Director Members to specifically discuss the radiation dose threshold model re-evaluation and how the CRCPD should be ready to respond. We will need all of you to help. So, we implore you to be ready and to provide the time and resources to act quickly and

**EXECUTIVE ORDER  
14300: NRC  
REGULATION REVIEW  
TASKS**

*"One is a complete review of all NRC regulations and another is to re-evaluate the basis for the linear non-threshold model and ALARA. These directives may have significant and far-reaching effects on radiation protection in every state and territory across the nation."*

*Patrick Mulligan*

**FROM THE CHAIRPERSON**

*(continued)*

**ADDRESSING UPCOMING  
NEEDS AND PRIORITIES**

effectively to provide comprehensive state input to the process.

**Please be ready to help in any way you can!**

**Fall Board Meeting**

The CRCPD Board held its annual Fall Board Meeting on November 5 and 6 in Washington, D.C. We are very grateful to our friends at the American College of Radiology (ACR) for inviting us to use their facility for the meetings. They were amazing hosts and a pleasure to work with. The Fall Board Meeting is an opportunity for the Board to meet as a group and discuss important CRCPD organizational business and brainstorm on ways we can meet new challenges or help resolve ongoing concerns. It's also a great opportunity to interface with our many partners.

**Updates from Partners**

Typically, we get updates from all our federal partners and discuss ongoing initiatives and the challenges that face us out on the horizon. **As you know, the shutdown of the federal government this past October impacted on the Fall Board Meeting attendance and many of our federal partners missed the meeting.** However, the CRCPD Board has scheduled individual meetings with our federal partners to have those discussions missed at the meeting. We were delighted to hear from our professional organization partners at the ACR, the American Association of Physicists in Medicine (AAPM) and the American Society for Radiation Oncology (ASTRO).

**GETTING UPDATES  
FROM FEDERAL  
PARTNERS**

*"The CRCPD Board has scheduled individual meetings with our federal partners to have those discussions missed at the meeting."*

*Patrick Mulligan*

FROM THE CHAIRPERSON

(continued)

ADDRESSING UPCOMING  
NEEDS AND PRIORITIES

Treasurer's Report

During the meeting, the Board was presented with an updated budget analysis from our current Treasurer, Michael Gries. Michael is doing an outstanding job in that capacity and answered all the questions from the Board with expertise. The current budget looks good, but the Board will continue to monitor the funding sources as uncertainty still exists.

Goals and Priorities

The Board also discussed the CRCPD Goals and Priorities that were established this past June. After lengthy discussion, the Board agreed to add "Goal #5, Enhance Profile of Organization, Objective #1, Assume a Leadership Role on Radiation Protection and Public Policy Issues" as a priority. **With so much uncertainty with rulemaking and policy, the Board believes we will need to concentrate on CRCPD's leadership to provide a strong voice for the states and territories.**

CRCPD Letter to FEMA on RadResponder Concerns

As many of you may be aware, there have been ongoing concerns with the reliability and operation of the RadResponder platform for data collection, management and assessment. **For more than a year, the E-43 Committee for Interagency Environmental Data Sharing and Communications has been working closely with the Federal Emergency Management Agency (FEMA) and the contracting entity responsible for the maintenance of the RadResponder application.** Ongoing issues with the application prompted the committee to bring their concerns to the Board; the committee provided numerous specific examples of failures and shortfalls with the application. The Board reviewed and discussed

NEW GOAL: ENHANCE  
THE PROFILE OF THE  
ORGANIZATION

*"The Board agreed to add 'Goal #5, Enhance Profile of Organization, Objective #1, Assume a Leadership Role on Radiation Protection and Public Policy Issues' as a priority."*

*Patrick Mulligan*

## FROM THE CHAIRPERSON

(continued)

the issues in detail and decided that it was critical to reach out to FEMA to express our concerns and to reach a resolution. In early December, the CRCPD Board sent a letter to senior leadership at FEMA expressing our concerns for both the reliability and availability of the application. **RadResponder is the backbone of our national emergency response structure, providing a means to collect, store, validate and share radiation field data with decision makers.** It is critical for this application to be reliable and available 24/7/365. FEMA has responded to the CRCPD letter and a meeting to discuss resolution to the concerns will be held in the coming weeks. Stay tuned!

## 58th National Conference on Radiation Planning Committee

The CRCPD Planning Committee is in full swing with the planning for the 58<sup>th</sup> National Conference on Radiation Control schedule for May 18 through the 21, 2026, in Lombard, Illinois (right outside Chicago). Please make sure this gets added to your calendar as the agenda is already packed full of topics that you will not want to miss. I am deeply grateful to all those who participate in the committee's activities. I am also grateful to our partner organizations for providing us with so many excellent and knowledgeable presenters. Please keep an eye out in the coming months for information on registration, conference agenda, and hotel information. We look forward to seeing all of you in Lombard next May!

## Board Elections

Get excited! It is almost time for you to cast your votes and let us know who you will choose to serve the CRCPD on the Board of Directors.

## ADDRESSING UPCOMING NEEDS AND PRIORITIES

### 58TH NATIONAL CONFERENCE ON RADIATION

MAY 18-21, 2026  
LOMBARD, ILLINOIS

*"Please keep an eye out in the coming months for information on registration, conference agenda and hotel information. We look forward to seeing all of you in Lombard next May!"*

*Patrick Mulligan*

FROM THE CHAIRPERSON

(continued)

ADDRESSING UPCOMING  
NEEDS AND PRIORITIES

This year we will have three open positions: Chair Elect, Treasurer Elect and Member-at-Large.

Please keep an eye out for the ballot which is expected to go out in early February 2026. Your vote matters and we hope that you will all vote to see who the next amazing leaders will be for our great organization. The closing date for nominations is December 18, so if you or someone you know is interested let us know ASAP!

**We Need Your Support**

The continued success of the CRCPD in the future relies on the tireless efforts of you, our members. **The CRCPD Board recognizes and appreciates the time and effort of our volunteers that serve on the many working groups and the contributions they make to support radiation protection.** As the CRCPD continues to expand the number of Working Groups and Task Forces to address emerging issues that face the radiation protection community, we call on your knowledge and expertise to assist us with identifying some enthusiastic and interested members to serve on the these two working groups: G-75 General Licensing Program Guideline Development Task Force and G-80 Task Force to Address NRC Rulemaking.

Please be on the lookout for additional calls for volunteers and consider volunteering yourself or encouraging a colleague to get involved. It is truly worthwhile and rewarding.

If you or one of your colleagues is interested in volunteering to serve on any of these working groups, you can reach or to me directly ([Patrick.mulligan@dep.nj.gov](mailto:Patrick.mulligan@dep.nj.gov)) or fill out the Working Group Interest Form found on the CRCPD web site ([www.crcpc.org](http://www.crcpc.org)) and submit it to Mendy Cremeans ([mcremeans@crcpd.org](mailto:mcremeans@crcpd.org)).

**ELECTION FOR  
BOARD OF  
DIRECTORS  
POSITIONS**

*"Please keep an eye out for the ballot which is expected to go out in early February 2026. Your vote matters and we hope that you will all vote to see who the next amazing leaders will be for our great organization."*

*Patrick Mulligan*



EXECUTIVE DIRECTOR'S  
MESSAGE



## STAYING ON TOP OF DEVELOPMENTS IN OUR FIELD

by Lisa Bruedigan

Oh my—it's December already. Where did this year go? Our organization has experienced significant change in 2025: a new Executive Director, numerous staff transitions within radiation control programs across the country, and ongoing uncertainty with some of our federal partners. Through it all, our membership has remained strong. **Your Board has worked tirelessly to stay on top of developments in our field, reassess ongoing projects, reinvigorate efforts that needed renewed energy, and launch new initiatives to address emerging technologies and advances in radiation protection.**

### RadResponder

Over the past few months, I've listened closely to our members and committees about what's working—and what isn't. One of the most frequent concerns has been with RadResponder. **I'm assisting the Board of Directors as they address these issues and seek a meaningful, long-term solutions.**

### Proposed NRC Regulation Changes

We are also preparing for the anticipated comment period on the proposed NRC regulation changes. To support this effort, we

### SIGNIFICANT CHANGES EXPERIENCED IN 2025

"...a new Executive Director, numerous staff transitions within radiation control programs across the country, and ongoing uncertainty with some of our federal partners."

*Lisa Bruedigan*

**EXECUTIVE DIRECTOR'S  
MESSAGE** *(continued)*

**STAYING ON TOP OF  
DEVELOPMENTS IN OUR FIELD**

will hold a special call with our Director Members on December 16 to ensure we clearly hear your priorities and represent your collective voice. **Your perspective is powerful, and CRCPD is committed to getting this right.**

**Closing Messages**

I would be remiss if I didn't take a moment to pay tribute to Ruth McBurney as she completes her official tenure with CRCPD. I won't say goodbye—because Ruth isn't truly leaving us. She's simply shifting gears and focusing her time on the projects closest to her heart. **The support Ruth has provided to me, the Board, and our membership during this six-month transition has been invaluable. In true Ruth fashion, she has continued to work quietly and steadfastly to make the best even better.**

As we approach the end of the year, I hope each of you finds time to step away, spend meaningful moments with loved ones, and reflect on all you've accomplished in 2025. I also hope you take time to do something that brings you joy and restores your spirit. Take care of yourselves—no one can do that better than you.

***“My proverbial door is always open.”***

***Lisa Bruedigan***

**END OF YEAR  
MESSAGE**

*“I hope each of you finds time to step away, spend meaningful moments with loved ones, and reflect on all you've accomplished in 2025.”*

***Lisa Bruedigan***



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Defense

Cindy Tomlinson, MPP,  
ASTRO

**Margaret Henderson**  
*Editor*

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## NATIONAL MUSEUM OF CIVIL DEFENSE REQUESTS HELP REGARDING CIVIL DEFENSE INSTRUMENTATION

by Nicholas Studer, MD, Director and Archivist

National Museum of Civil Defense

The National Museum of Civil Defense (NMCD) is interested in hearing from you if you currently have or previously had any FEMA Item No. CD V-718 Model 1 or the later commercial CD V-718A Radiacmeters (Nuclear Research Corporation, Aptec-NRC, and Canberra). This digital instrument first was issued with a yellow soft pouch in 1994, with each state reported to receive 10 instruments for trial purposes. Half were supposed to be issued to the state Radiation Control entity, many used them for Radiological Emergency Response (REP) Field Teams. Later commercial versions were procured by local and state entities, could use multiple probes, and may come in a black hard case as shown. The Museum is continuing its database project and any available serial numbers from records or remaining instruments may be helpful in identifying the origin of several instruments in the Museum's Collection. The NMCD is always pleased to accept civil defense (or commercial) instrumentation for either historical preservation or use in its Teacher Kit project.



**Contact:**

**Nicholas Studer, M.D.**

**Director and Archivist**

**National Museum of Civil Defense**

**PO Box 784, Randolph AFB, TX 78150-0784**

**Museum: 210-742-6190**

**<https://www.nationalmuseumofcivildefense.org>**

**org**

## CRCPD STAFF AND MEMBERS ATTEND THE 2025 RADON & VAPOR INTRUSION SYMPOSIUM

by Kim Steves, CRCPD

Members of the CRCPD E-25 Committee on Radon attended the 2025 Indoor Environments Radon and Vapor Intrusion Symposium on October 27-29 in Fort Worth, TX. CRCPD Executive Director Lisa Bruedigan provided welcoming remarks to the attendees.

### The E-25 Committee:

- participated in the meeting planning activities;
- developed the State & Tribal track of the program agenda;
- worked at the symposium as moderators and producers; and
- held a committee meeting while all together in Fort Worth.



*E-25 Committee on Radon at the  
2025 Radon & Vapor Intrusion Symposium*

*(Left to Right: Joshua Kerber (MN), Eleanor Divver (UT), Denise Bleiler (PA), Kim Steves (CRCPD), Michelle Thompson (VT), Johna Boulafentis (Nez Perce Tribe), Randy Lane (IA), Les Smith (MI)).*

### Building Technical Capacity Workshop: Optimal Mitigation & Advanced Diagnostics

On the Sunday before the Symposium, CRCPD offered a Building Technical Capacity workshop to state and tribal radon programs at no cost.

The training was titled “Optimal Mitigation & Advanced Diagnostics.” It provided the students with detailed information on radon mitigation diagnostics.

The workshop provided opportunities for hands-on work with equipment and diagnostic activities and gave participants practice designing an optimal radon mitigation system with the correct size radon fan.

## CRCPD STAFF AND MEMBERS ATTEND THE 2025 RADON & VAPOR INTRUSION SYMPOSIUM - continued

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### 2025 Radon & Vapor Intrusion Symposium

This symposium, sponsored by the Indoor Environments Association (IEA), represents an ongoing and growing partnership between CRCPD and IEA to work together to accomplish radon risk reduction through high standards of practice. There were 320 attendees at the symposium, and 60 of the attendees at the symposium represented state and tribal radon programs.

Joshua Kerber (MN – E-25 Chairperson) stated:

*“The International Radon and Vapor Intrusion Symposium is the highlight of the work year. It’s a time to reflect on the activities and achievements of the important public health work we all do. It’s also a place to connect with one another, network, plan, discuss ideas, and share experiences. The E-25 Committee plays a key role in planning, moderating, and producing sessions that help foster risk reduction activities and protect public health. We lead by example, knowing risk reduction work is not accomplished without the partnership and efforts of the radon industry professionals. We accomplish much more risk reduction working together than either group does on their own.”*

### Symposium Highlights

- E-25 Chairperson Joshua Kerber (MN) presentations on:
  - the new CRCPD Advisory Guidance on Consumer Digital Radon Monitors;
  - a CRCPD E-25 Update;
  - the FHFA Radon Policy; and
  - Radon Testing in Schools.

Additional presentations included:

- presentations by E-25 Committee Members Michelle Thompson (VT) and Eleanor Divver (UT); and
- CRCPD presentation of the Susie Shimek Radon Hero Award to Joshua Kerber (MN) and Gary Hodgden (Indoor Environments Association) at an awards ceremony that was held during the Tuesday luncheon.

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***The 2026 Indoor Environments Radon and Vapor Intrusion Symposium is scheduled for October 4-7, 2026 in Norfolk, VA.***

## ASTRO'S AU TRAINING CENTERS: EXPANDING SAFE AND ACCESSIBLE PATHWAYS TO AUTHORIZED USER STATUS

Contributed by Cindy Tomlinson, MPP

Senior Patient Safety and Regulatory Affairs Manager

American Society for Radiation Oncology (ASTRO)

**The American Society for Radiation Oncology (ASTRO) is launching the Authorized User (AU) Training Center Program, designed to support radiation oncologists seeking AU status for the administration of radiopharmaceutical therapies (RPT). As the clinical use of RPT rapidly expands, ensuring a well-prepared workforce remains a priority. The AU Training Center Program was developed to meet that need with a structured, compliant, and scalable approach.**

### Addressing Regulatory Requirements

Under Nuclear Regulatory Commission (NRC) and Agreement State regulations, physicians must complete both the required didactic and experiential training to qualify as an AU. However, clinical access to supervised cases is limited due to the concentration of RPT services at select centers and the demand for experienced preceptors.

The AU Training Centers directly address this barrier by providing a mechanism for trainees to complete the required supervised experiences at ASTRO-approved clinical sites. Each participating site adheres to regulatory expectations for case observation, administration, documentation, radiation safety protocols, and quality oversight, ensuring that all competencies are met in alignment with NRC and Agreement State requirements.

### A Standardized, High-Quality Training Model

The program establishes consistent expectations for training across all participating institutions. Key elements include:

- standardized curriculum aligned with NRC and Agreement State AU requirements;
- documentation of all required clinical cases;
- quality-controlled training environments, reviewed and approved by ASTRO; and
- clear record-keeping to support regulatory submissions.

This standardization benefits both regulators and trainees by ensuring uniform training regardless of location.

## ASTRO'S AU TRAINING CENTERS: EXPANDING SAFE AND ACCESSIBLE PATHWAYS TO AUTHORIZED USER STATUS - *continued*

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### Supporting Workforce Readiness and Patient Safety

As RPT utilization grows, ensuring an adequate supply of qualified, rigorously trained AUs is paramount. The AU Training Centers expand national training capacity without compromising quality or safety.

### Program Details

Trainees register through ASTRO and are required to attest to the completion of the required didactic hours. They also gain access to ASTRO's Beyond the Beam training program, a 15-hour in-depth curriculum resource that is designed specifically for radiation oncology residents and practicing radiation oncologists who are planning to participate in a radiopharmaceutical therapy (RPT) clinical program.

During their onsite training, trainees will participate in a structured, hands-on learning experience that mirrors real-world clinical practice. Under direct supervision, they will observe and engage in key steps of the RPT workflow, including dose preparation and assay review, radiation safety checks, administration protocols, post-treatment monitoring, and documentation requirements. Trainees will also gain exposure to interdisciplinary coordination, reinforcing the collaborative processes essential to safe RPT delivery. Each activity is designed to meet NRC and Agreement State competency expectations, with supervising clinicians validating completion of required tasks and observations.

ASTRO's AU Training Centers are designed to advance regulatory goals by strengthening training quality, improving access to required supervised experiences, and ensuring a consistent and verifiable pathway to AU qualification. As radiopharmaceutical therapies continue to evolve, this program provides regulators, training institutions, and clinicians with a reliable framework that prioritizes safety, competency, and compliance.

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### Comments or Questions

We believe this program helps bridge the gap for authorized users and supports our shared goals. If you or your state licensing program has any questions or concerns, please contact [AUInfo@astro.org](mailto:AUInfo@astro.org).



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## RADIUM USE IN CANCER TREATMENT AND RADIATION HAZARDS

by Samuel Ajayi, PhD, Nuclear Physicist

Florida Bureau of Radiation Control

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**Radium is a naturally occurring radioactive material existing in the decay series of uranium. It has been used in medicine and industry since its discovery in 1898. When radium decays, it immediately emits alpha particles, which have enough energy to kill cancerous cells in the body; hence its use in medicine. Radium was also an important component in the luminescent paint used in the early 1900s to make watches, clocks, and gauges glow in the dark.**

### Early Success of Radium in Medicine

The early success of radium in medicine made it very popular and brought about interest in the other “wonders” it could perform. This interest led to a wave of misinformation, which made people believe radium is the all-purpose cure for a wide range of health conditions and that it can improve the overall health of the body. The major companies of those days incorporated radium into their products - beauty products, children’s toys, health spas, toothpastes, polish, cigarettes, sex stamina products, and many more.

### Need for Regulation on the Use of Radioactive Materials

By the time the health risks associated with radium were established, there were already cases of radiation-induced sicknesses and deaths. Many of the “radium girls” who worked in factories as dial painters using radium paints fell ill, while some died. The radiation from ingested radium caused anemia, cataracts, cancer, and eventually death. It was now obvious that there was a need for regulation on the use of radioactive materials in the treatment of cancer in medicine and in industry. As a result of this, many of the radium products were banned from use.

## RADIUM USE IN CANCER TREATMENT AND RADIATION HAZARDS

*continued*

### Radioisotopes of Radium

The radioisotope of radium that was first discovered and was used in the treatment of cancer was Ra-226. Not long after, other radioisotopes like Ra-224, Ra-223, Ra-228, among many others, were discovered. Each of these radioisotopes has been researched for its use, and as expected, for the possible health hazards that might result from its use.

#### Radioactive Decay

When radium decays by alpha emission, that is, a helium particle, the atomic number 88 is reduced by 2, while the atomic mass is reduced by 4. The immediate daughter product produced along with the alpha particle is radon with atomic number 86 and symbolized by Rn. The radioisotope of radon produced depends on the radioisotope of radium undergoing alpha decay.

### Risks Associated with Medical Use of Radium

The use of Ra-226 in the treatment of cancer started declining in the 1950s because of safer alternative radioisotopes developed for use in radiotherapy. Ra-226 has a long half-life of 1600 years, which can pose a significant risk when it remains in a patient's body. The radioisotope stays radioactive effectively for the patient's lifetime. There are also risks posed to the environment after death. The bones remain radioactive for a very long time after burial because of the long half-life. Another issue with Ra-226 is in its decay pattern. In addition to the immediate alpha decays observed, there are also decays along the decay series involving beta-particle emission and high-energy gamma rays, which can cause radiation hazards.

Considering the immediate daughter product of Ra-226, that is Rn-222, has a half-life of 3.8 days, which is significant for adverse health effects to be observed. The Rn-222, which is in gaseous form, can diffuse away from the Ra-226 source and emit its own alpha particles in another location inside the body. The deposition of alpha particles on healthy tissue can lead to cancers like lung cancer. The radon gas can also be exhaled by the patient, posing a significant risk to healthcare workers in the hospital and anyone around the patient after discharge.

The use of Ra-226 for treatment has been discontinued, and the International Atomic Energy Agency is currently leading the effort to recycle unused Ra-226 worldwide and produce Actinium-225, also an alpha emitter, which is now being used in targeted cancer treatments.

## RADIUM USE IN CANCER TREATMENT AND RADIATION HAZARDS

- continued

### Ra-223 Approved for Cancer Treatment & Trial Phase for Ra-224

After a long pause in the use of radium treatment, a different radioisotope approved for cancer treatment in 2013 is Ra-223. The major difference with Ra-226 is its half-life and type of radiation decay. Unlike Ra-226 with a half-life of 1600 years, Ra-223 has a half-life of 11.4 days. The first daughter product, Rn-219, has a half-life of around 4 seconds, which implies that the radon gas decays almost instantly after production. The probability that the radon gas, Rn-219, produced during the treatment using Ra-223 will diffuse to the lungs or be exhaled is very low compared to Rn-222 produced from Ra-226. In addition, the gamma rays produced during the decay from Ra-223 are very low in energy when compared to those from Ra-226, so comparatively, they pose no significant risks. The third isotope of radium currently in the trial phase for cancer treatment is Ra-224.

It has a half-life of 3.6 days, even shorter than Ra-223. The radon daughter product, Rn-220, has a half-life of 56 seconds, shorter than that of Rn-219. It is expected that the radon released from this treatment should not escape from the bone or the radium source in the body to other parts of the body or into the environment via exhalation. Other advantages are being considered beyond the scope of this write-up.

Treatment methods will always be dynamic as we seek more efficient ways to use radioactive materials while keeping patients, hospital staff, the general population, and the environment, by extension, safe from unnecessary radiation exposure. More studies will be conducted, more trials will be conducted, and protection techniques and regulations will also have to be adjusted to meet standard practices.

**We have indeed come a long way in how Radium was used in the early 1900s to how we do now in 2025. Samuel Ajayi, PhD, Nuclear Physicist ([Samuel.Ajayi@flhealth.gov](mailto:Samuel.Ajayi@flhealth.gov))**

#### Radon Gas Considerations

There have been studies to measure how much radon gas is exhaled from patients getting treatment with Ra-223. Though the radon level concentrations during Ra-223 treatment are very low when compared to treatments with Ra-226, the radon gas is still detectable. Most studies reported a slight increase in radon gas concentration due to exhaled Rn-219. This adds to the Rn-222 expected in rooms from naturally occurring radioactive materials from walls or the environment. Although this is not a serious concern regarding radiation exposure, it is still recommended to use proper air ventilation when patients are being treated.

## INTERNATIONAL CONFERENCE ON RADIATION PROTECTION IN MEDICINE: X RAY VISION

by Lisa Bruedigan, Executive Director, Conference of Radiation Control Program Directors

**I had the honor of representing CRCPD at the International Conference on Radiation Protection in Medicine: X Ray Vision, sponsored by the International Atomic Energy Agency, held in Vienna, Austria, December 8–12, 2025.**



The fast-paced agenda covered more than 20 topics.

A few of the highlights included:

- Clinical decision-making and justification;
- Emerging needs: artificial intelligence and radiation protection;
- Foundational ethics in radiation protection;
- Safety culture, learning, and reporting;
- Practical implementation of operational radiation protection in medicine;
- Communicating and conveying radiation information;
- Regulations and guidelines; and
- Emerging needs in radiation protection.

## INTERNATIONAL CONFERENCE RADIATION PROTECTION IN MEDICINE: X RAY VISION - continued

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I provided a brief overview of CRCPD's work over the past decade to enhance radiation protection, as well as our areas of focus for the next ten years. I also delivered a presentation on regulating emerging technologies.

Joann Harthcock (TX) had a poster accepted and presented on Emerging X-Ray Technology and Radiation Safety. Stay tuned—Joann's poster will also be presented at CRCPD's Annual Meeting in May 2026.

The conference brought together radiation experts from around the world, representing medical physics, clinical imaging, research, regulatory programs, and many other disciplines. The quality of the presentations and the thoughtful engagement among participants were outstanding. The experience renewed my optimism and strengthened my passion for advancing radiation protection.

### Related Links

See the related article by the World Health Organization at <https://www.who.int/news/item/08-12-2025-global-experts-convene-in-vienna-to-discuss-radiation-protection-in-medicine>

IAEA: <https://www.iaea.org/events/radprom2025>

**CRCPD WELCOMES  
NEW MEMBERS**

**DIRECTOR MEMBERS**

Christopher Page (HI)

Charlee Boger (WY)

**ASSOCIATE MEMBERS**

Jennifer Luta (HI)

Angela Hofmann (ND)

Duncan Peterson (IA)

Jolene Lager (MA)

Holly Rhodes (MD)

Jesse Foglemann (MI)

Aaron Demers (MI)

Foster Krause (MI)

James Albright (NC)

Brian Frazer (NY)

Jenifer Lalnunkimi (NY)

Terri Leonard (NY)

Kristin Stewart (SC)

Dr. Steven M. Becker (VA)

**AFFILIATE MEMBERS**

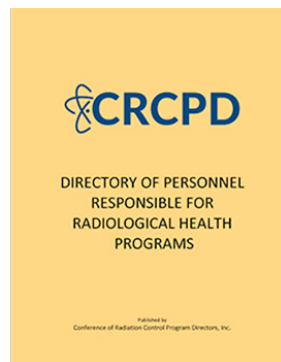
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tanya.ridgle@cdph.ca.gov

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michael.gries@nebraska.gov

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joann.harthcock@dshs.texas.gov

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kristina.verderame@ct.gov

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hillary.k.haskins@oha.oregon.gov

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michael.gries@nebraska.gov