

# DVSRS Master Class Series: Radiation Shielding Design Challenges in Medical Centers Shielding Techniques for New Radiation Oncology Installations

Presented by  
Melissa Martin M.S., DABR, DABMP, FAAPM, FACR, FACMP, FIOMP

Thursday, February 29, 2024

6:00 pm – 8:00 pm

Location: Fox Chase Cancer Center – Reimann Auditorium (4<sup>th</sup> Fl)

Virtual option will be available.

This presentation will cover the increased challenges presented by MRI/LINAC combination units, LINAC with multiple energy x-ray beams, and CyberKnife units.

*Refreshments will be provided.*

Melissa Martin, a distinguished expert in medical physics with a specialized focus on radiation shielding design of Linear Accelerators (LINACs), brings an unparalleled wealth of knowledge to this Master Class. She has designed the shielding for over 1200 LINAC vaults, as detailed in her 2021 textbook, "Shielding Techniques for Radiation Oncology Facilities." Melissa has been President of Therapy Physics Inc., a consulting physics group based in Southern California since 1995. Her active involvement in the American Association of Physicists in Medicine is notable, having served in various roles including Treasurer, Council Chair, President (2017), and Chair of the Board of Directors, cumulatively spanning 18 years on the Board. Additionally, she has been the Radiation Safety Officer for major medical centers in Los Angeles for 25 years.

Ms. Martin's significant contributions extend to key national radiology and radiation oncology organizations such as the American College of Radiology (ACR), the American Board of Radiology (ABR), the Council of Radiation Control Program Directors (CRCPD), and the American Society for Radiation Oncology (ASTRO). Her international efforts include collaboration with the International Atomic Energy Association (IAEA) and the International Standards Organization (ISO) in developing global standards for LINAC radiation shielding.

This Master Class presents an exceptional opportunity for participants to learn from a leading authority in the field, offering insights that seamlessly connect theoretical knowledge with practical application in radiation therapy.

Cost:	Payment Options
<ul style="list-style-type: none"> <li>\$50.00 for Members</li> <li>\$60.00 for Non-Members (includes DVSRS Chapter membership fee)</li> <li>\$25.00 for Students</li> </ul>	<p><b>Payment Options:</b></p> <ul style="list-style-type: none"> <li>➤ PayPal - Go to the DVSRS Chapter Webpage: <a href="https://hpschapters.org/dvsrs/">hpschapters.org/dvsrs/</a> Under the section 'Payments via PayPal', Select ticket price from the drop-down menu, then Click link for payment option.</li> <li>Personal Check - Make out to "DVSRS". Send to</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>attention: Brendan Dunleavy, Radiology Jefferson Health Abington Hospital 1200 Old York Road Abington, PA 19001</p> </div>
<p>➤ <b>Registration:</b> To register, email <a href="mailto:dvsrschapterhps@gmail.com">dvsrschapterhps@gmail.com</a> and provide name, method of payment and attendance (in-person or virtual). <b>Registration Deadline: February 23<sup>rd</sup>, 2024</b></p>	



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