

Amy Harrison, Ph.D.



Amy S. Harrison is an associate professor in the Department of Radiation Oncology at Thomas Jefferson University and Enterprise Physics Director of Quality and Safety for Jefferson Health. She has 28 years of clinical physics experience, and has held several leadership positions in the areas of operations, safety and education.

Dr. Harrison served as the department's Medical Physics Residency Program for ten years before transitioning in 2019 to Associate Program Director. Under her leadership, the program grew from two to eight Commission on Accreditation of Medical Physics Education Programs (CAMPEP) accredited positions across three locations.

Now a board-certified therapeutic radiological physicist and certified medical dosimetrist, Dr. Harrison started her career at Memorial Sloan Kettering Cancer Center as a "junior physicist" in the early years of 3D planning. She later transitioned to the University of Michigan, whose medical physics program was actively forward planning intensity modulated therapy. She managed a large community clinic before joining Jefferson in 2004.

Dr. Harrison's doctorate degree is in population health with a focus on healthcare, quality and safety. Clinically, she has expertise and multiple publications in IMRT, VMAT, IGRT, SBRT, HDR, and permanent implants. Nationally, she is a CAMPEP reviewer for residency programs and has served on the board of directors and as president of the Society of Directors of Academic Medical Physics Programs.