

Dr. Nader Lohrasbi, PhD

Medical Physicist PHD | Radiation Oncology Expert | MBA, DBA

Professional Summary

With over 15 years of experience in medical physics and radiation oncology, I specialize in advanced cancer treatment using a variety of radiation therapy techniques. My expertise covers treatment planning, dosimetry, radiobiology, and quality assurance, combined with strong leadership skills supported by MBA and DBA degrees.

Expertise Areas

- **Radiation Therapy Modalities:**
 - External Beam Radiation Therapy (EBRT)
 - Brachytherapy
 - Stereotactic Body Radiation Therapy (SBRT)
 - Intensity-Modulated Radiation Therapy (IMRT)
 - Proton Therapy
 - **Treatment Planning & Optimization:**

Skilled in using leading software platforms such as Eclipse, RayStation, and Varian for creating patient-specific treatment plans that maximize tumor targeting and minimize healthy tissue exposure.
 - **Medical Physics & Dosimetry:**

In-depth knowledge of dose calculation algorithms, radiation safety standards, and quality assurance protocols to ensure precision and safety in treatment delivery.
 - **Multidisciplinary Cancer Care:**

Collaboration with oncologists, radiologists, surgeons, and AI experts to develop integrated treatment protocols combining radiotherapy with chemotherapy and immunotherapy.
 - **Research & Innovation:**

Engaged in clinical research to improve radiotherapy effectiveness and reduce side effects, including the application of AI and adaptive therapy techniques.
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Notable Projects & Achievements

- Developed and implemented IMRT protocols for head and neck cancer patients, enhancing treatment efficacy and reducing toxicity.
- Led quality assurance initiatives that decreased radiation delivery errors by 30%.
- Integrated AI-driven decision support systems into radiation oncology workflows to assist in personalized treatment planning.
- Published multiple peer-reviewed articles on advances in radiation therapy physics and treatment optimization.

Professional Certifications

- Certified Medical Physicist (specific certifying body)
- Radiation Safety Officer (RSO)

Commitment

My goal is to provide precise, evidence-based, and patient-centered radiation therapy services that improve cancer treatment outcomes while prioritizing patient safety and quality of life.

Contact

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