# Robert Pratt

Medical Physicist, Radiation Oncology

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## STRENGTHS

**Clinical judgment**
Complex plans received careful review with physicians and dosimetrists, helping teams resolve readiness concerns before treatment.

**Patient safety**
Chart checks and calibration work caught discrepancies early. Colleagues valued dependable follow through during busy treatment days.

**Specialized therapy**
HDR and SRS support required calm, focused checks. That experience became a trusted resource for high precision cases.

**Quality assurance**
Daily, monthly, and annual equipment reviews brought structure to operations, with records ready for clinical and regulatory review.

**Team collaboration**
Physicists, physicians, dosimetrists, and therapists stayed aligned through direct communication, especially when a case needed quick clarification.

## SKILLS

Treatment Planning

Linear Accelerators | CT Simulation

HDR Brachytherapy | SRS

Beam Calibration | Chart Review

Quality Control

Equipment Calibration

Radiation Safety

Total Body Irradiation

Total Skin Electron

## SUMMARY


Board certified medical physicist with two years of clinical radiation oncology experience supporting safe, accurate treatment planning and delivery. Master's trained in medical physics, with direct practice across linear accelerators, CT simulation, beam calibration, chart review, patient specific quality control, HDR brachytherapy, SRS, **Total Body Irradiation**, and Total Skin Electron treatments. Partners closely with radiation oncologists and medical dosimetrists when evaluating complex plans, verifying calculations, resolving readiness concerns, and documenting clinical decisions. Performs daily, monthly, and annual equipment quality assurance for linear accelerators and CT simulators, with careful attention to **radiation control regulations** and **Department of Health standards**. ABR board certification, AHA Basic Life Support certification, and a **valid driver's license** support dependable clinical coverage and patient focused care.


## EXPERIENCE

### Medical Physicist, Clinical Radiation Oncology

Lakeshore Cancer Center October 2024 - Present Madison, WI

Provides independent clinical physics coverage for multidisciplinary radiation oncology services, supporting complex planning, specialized treatment delivery, equipment quality assurance, and patient safety.

- Evaluated complex treatment plans with **radiation oncologists** and dosimetrists, confirming feasible delivery parameters.
- Completed initial chart reviews and weekly checks, reconciling prescriptions, calculations, beams, and documentation.
- Supported HDR brachytherapy and SRS procedures through treatment checks and technical readiness coordination.
- Performed daily, monthly, and annual quality control for **linear accelerators** and CT simulators.
- Verified **beam calibration calculations** and computer generated plans before patient treatment began.
- Supported Total Body Irradiation and **Total Skin Electron** workflows with setup and calculation verification.
- Applied **state radiation control** requirements and **Department of Health standards** during clinical operations.

### Medical Physics Resident, Radiation Oncology

University Health Radiation Oncology October 2023 - September 2024 Milwaukee, WI

Completed supervised hospital rotations across treatment planning, accelerator physics, CT simulation, brachytherapy, patient specific quality assurance, and clinical safety review.

- Completed supervised rotations in **treatment planning**, accelerator physics, **CT simulation**, and brachytherapy.
- Performed photon plan checks, tracing prescription intent through calculations and machine parameters.
- Conducted linear accelerator and CT simulator **quality control** against established clinical tolerances.
- Supported **brachytherapy** preparation through verification steps, source records, and treatment day coordination.
- Participated in **SRS** reviews, confirming imaging, planning, and delivery information through safety checks.
- Applied **state radiation control** requirements during clinical assignments and prepared records for physicist review.

Radiation Oncology | Brachytherapy | Clinical Collaboration

## LANGUAGES

English — Native

Spanish — Intermediate

## MY CAREER


- Medical Physicist, Clinical Radiation Oncology at Lakeshore Cancer Center (1.9 Years)
- Medical Physics Resident, Radiation Oncology at University Health Radiation Oncology (11 Months)

## PROJECTS

**Specialized Therapy Quality Program** 2025

Built a focused review approach for HDR, SRS, Total Body Irradiation, and Total Skin Electron cases. Connected calculation checks, setup verification, and documentation so clinical teams could move forward with confidence.

**Accelerator and CT Quality Assurance** 2024

Supported recurring quality assurance for linear accelerators and CT simulators through structured measurements, calibration review, tolerance comparison, and clear records that helped sustain dependable treatment delivery.

## LEADERSHIP & AWARDS

- American Board of Radiology Board Certification in Medical Physics, 2026
- Clinical Excellence Recognition for Radiation Oncology Safety, 2025
- Radiation Oncology Physics Resident Leadership Recognition, 2024

## EDUCATION

**Master of Science in Medical Physics**

University of Wisconsin Madison | GPA: 4.0 | 2023 | Madison, WI

***Coursework:*** *Radiation oncology, treatment planning, medical imaging, radiation dosimetry*

**Bachelor of Science in Physics**

University of Iowa | GPA: 4.0 | 2021 | Iowa City, IA

***Coursework:*** *Radiation physics, electromagnetism, quantum mechanics, medical instrumentation*

## CERTIFICATIONS

- American Board of Radiology Board Certification in Medical Physics 2026
- Basic Life Support, American Heart Association 2026
- Valid Wisconsin Driver's License 2026

## TECHNICAL SKILLS

- **Treatment Planning Systems:** Computer generated plans, dose calculations, plan parameters
- **Radiation Therapy Equipment:** Linear accelerators, CT simulators, treatment delivery systems
- **Brachytherapy Methods:** HDR, source verification, treatment day checks
- **Stereotactic Therapy:** SRS, image guidance, high precision delivery
- **Specialized Radiation Therapy:** Total Body Irradiation, Total Skin Electron, electron setup
- **Quality Assurance:** Daily QC, monthly QC, annual QC
- **Calibration Practices:** Beam calibration, output verification, tolerance review
- **Clinical Documentation:** Initial chart review, weekly chart checks, treatment records
- **Radiation Safety:** Radiation control regulations, Department of Health standards, safety procedures
- **Clinical Collaboration:** Radiation oncologists, medical dosimetrists, multidisciplinary care teams
- **Professional Credentials:** ABR board certification, AHA BLS, valid driver's license

## PROFESSIONAL AFFILIATIONS

- American Association of Physicists in Medicine member
- Radiation Oncology Physics professional network participant

## ADDITIONAL INFORMATION

**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

AVAILABLE ON REQUEST