

LANDAUER®

Radiation Oncology Physics Services



Helping You Improve
Patient Outcomes

Our Physicists Offer Customized Solutions



We focus on safe, effective oncology treatment to help navigate today's complex clinical environment. Our nationwide network of physicists provides flexible and responsive onsite or remote support, partnering with your staff to improve patient outcomes.

Our broad experience and customized approach ensures that our solutions are:

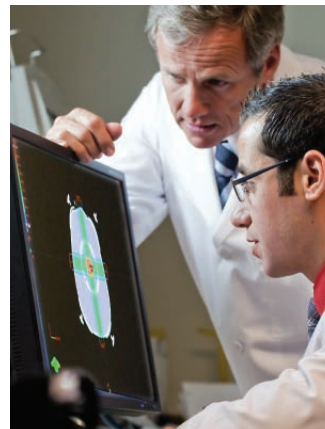
- Tailored to your specific needs
- In compliance with federal and local requirements and regulations
- Aligned with best evidence practice in Radiation Oncology

Clinical Physics & Dosimetry Services

We provide high-quality onsite physics and dosimetry support customized to your program requirements. Our Qualified Medical Physicists and Certified Medical Dosimetrists have a deep understanding of regulatory requirements, as well as evolving technology and safety standards. We work hand-in-hand with your clinical team to provide safe and effective radiation oncology patient care. You benefit from:

- Combined expertise of more than 100 medical physicists and dosimetrists for quality standards and expedited implementation of new programs or technologies
- Experience with all major treatment technologies and clinical settings for fast and effective integration into any clinical setting
- Quality assurance tools to demonstrate outcomes, benchmark quality, track performance, and identify potential concerns
- Routine progress reports and onsite reviews with administration
- Experienced "bridge" physicists to ensure uninterrupted support while we identify the right fit for your facility's clinical and technical requirements
- Flexible contracting options, including full-time physicists and dosimetrists, or part-time support to cover peak patient volumes
- Remote dosimetry to provide uninterrupted patient care

Annual Quality Assurance



Ensure your radiation oncology program meets the latest clinical and regulatory standards established by the American Association of Physicists in Medicine (AAPM) with an independent quality assurance review. Our medical physicists work with your team to identify areas for improvement.

- Benchmark quality, track performance, and correct potential concerns with our quality assurance tools
- Mitigate risk with annual linear accelerator performance testing per AAPM TG-142 and TG-51
- Reduce your capital expense by utilizing our state-of-the-art equipment
- Qualified medical physicists perform all quality assurance reviews



Equipment Commissioning

Our team of dedicated medical physicists can commission a linear accelerator in as little as one week*. We have experience with all equipment types and treatment planning systems. Our proven streamlined procedures and proprietary software enable us to deliver

on time while maintaining the highest quality standards. Take advantage of our:

- Highly experienced team, which has commissioned more than 400 systems
- State-of-the-art equipment for each commissioning project
- Varied work shifts that include weekends at no additional charge
- Accurate streamlined approach that enables you to treat patients sooner
- Comprehensive documentation of project including validation results
- Extensive references from community and academic hospitals, and international sites

**Total time required for commissioning varies with complexity of equipment and treatment planning system*

Cancer Center Planning & Design

Whether you're building a new cancer center or retrofitting an existing facility, we optimize the process with end-to-end solutions. We assist with all aspects from design, planning, and equipment selection, through medical physics and dosimetry support for regulatory compliance, and onsite staffing. We have overseen construction and retrofits of facilities for projects of all sizes and budgets. Our projects come in under budget, on time, or ahead of schedule.

- Leverage our experience utilizing the latest technology, equipment configurations, facility designs, and clinical workflow requirements
- Accurately determine the exact location and amount of shielding needed
- Optimize department layouts to ensure efficient clinical workflow
- Proven expertise in shielding design, commissioning and regulatory matters

Remote Treatment Planning

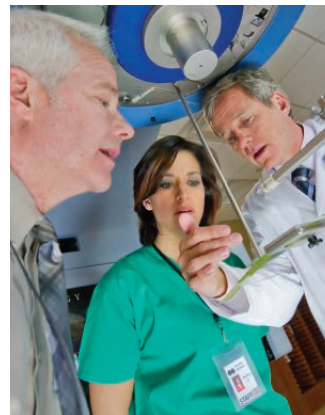
We are uniquely positioned to offer scalable, cost effective remote dosimetry support. Our Certified Medical Dosimetrists work closely with our medical physics team to provide superior plan quality. Our rapid turnaround provides:

- Cost effective and convenient solutions
- Real-time video conferencing for plan review and interactive support
- Enhancement to current dosimetry programs to better meet short term and long term needs
- Independent plan review
- Multiple platform expertise
- HIPAA compliance

Shielding Design

Our nationwide experts guide you through federal, state and regional requirements, and the implementation of radiation safety best practices. We offer you:

- Precise designs using grayCAD™ software
- Calculations for millions of points around your vault, not just a handful of survey locations
- Guidance to determine the exact location, type and amount of shielding – not too much or too little
- User friendly reports include every detail needed to validate shielding calculations
- Beam on and post-installation shielding surveys, if desired



Accreditation Consulting

Leverage our knowledge and experience when you prepare for a radiation oncology practice accreditation. To ensure your facility passes the first time, utilize our independent third-party review and focus your resources on critical areas. We provide:

- A comprehensive audit based on guidelines from ACRO (American College of Radiation Oncology) and the American Society for Radiation Oncology (ASTRO), and AAPM
- Fast results and comprehensive report including assessments and recommendations for improvement
- First-hand knowledge from team members who serve as accreditation reviewers and surveyors

Look to LANDAUER for a Full Spectrum of Radiation Oncology Physics Services

Service Modalities			
Clinical Services	Professional Medical Physics	Onsite Dosimetry	Remote Dosimetry
Commissioning (U.S. & International)	Linear Accelerators	Treatment Planning Systems	Stereotactic Radiosurgery
Shielding Design	New or Existing Vaults	Radiation Surveys	Planning Consultation
Quality Assurance	Annuals	Quarterly	Monthly
Consulting Services	Regulatory Compliance	Practice Accreditation	Peer Review
Radiation Dosimetry	Occupational Monitoring	MicroSTAR®ii	Data Management
Imaging Physics	Professional Medical Physics	Equipment Acceptance	Shielding Design

LANDAUER's medical physicists help improve patient outcomes through the safe and effective use of radiation in medicine. Our physicists are experienced and responsive to you and your organization's needs.

Learn More

Call 877-476-8433 or email info@landauermp.com
landauer.com