

6 CAREER PATHS

FOR MEDICAL DOSIMETRISTS

A career in Medical Dosimetry can go beyond that of the traditional Staff Dosimetrist role.

1

PROTON DOSIMETRIST

- Execute complex proton treatment planning using Monte Carlo calculations, robust optimization, beam angle selection, etc.
- Create CT fusions to determine if there are anatomical changes that require adaptive planning
- Collaborate interdepartmentally and with outside institutions to bring in dose files and evaluate prior treatment in the reirradiation setting

2

VENDOR

- Combine clinical, technical and product usage expertise to assist customers in developing best practices for their clinical operations
- Deliver products and services to address complex challenges that oncology departments face
- Often assigned a sales territory, product lines, markets, or customer groups

3

MANAGER, CHIEF, SR. DOSIMETRIST

- Oversee the day-to-day operation of the treatment planning staff; review daily work assignments to ensure workload is managed effectively
- Administrative and budgetary duties, including writing policy/procedures
- Provide supervision and guidance to all dosimetrists on existing and new procedures, and keep the team informed on departmental policies
- Ability to converse with physicians to understand and extract the radiation-related treatment information

4

RESEARCH

- Collaborate with medical physicists, radiation oncologists, and other researchers to advance the field of radiation oncology
- Design and execute experiments & studies related to radiation oncology & medical dosimetry
- Analyze dosimetry data, treatment plans, and outcomes
- Identify research funding opportunities

5

LOCUM

- Hired as a contracted employee
- Provides support during a lapse in normal coverage
- Requires little to no learning curve when adapting to a new environment
- Generally experienced dosimetrists who have strong time management, adaptability, and organizational skills

6

EDUCATOR

- Develop curriculum, lectures, and other instructional materials
- Coordinate admission processes and clinical site placement for students
- Maintain up-to-date skills in medical dosimetry
- Provide online and/or in-person classroom instruction
- Responsible for grading/assessments, student advising, program budget and recruitment
- Minimum requirement: Master's degree in Medical Dosimetry, health, or a related field. Doctoral degree preferred