

Medical Dosimetrist / Therapy Radiographer in dose planning

Location: Kantonsspital Graubünden, Chur, Switzerland

Location Address: Loestrasse 170, 7000 Chur, Switzerland

Working hours per week: 43 hrs

Employment type: Full-time

Summary

The department of radiation oncology at the cantonal hospital of Graubünden treats on average 850 new patients per year, of which currently 40% receive modulated RT treatments (IMRT/VMAT, including SABR/SBRT). It is equipped with a GE planning CT scanner and with Varian linear accelerators (Truebeam), Eclipse treatment planning system and Varian's Aria patient management and record and verify system.

Medical dosimetrists primarily work in dose planning and are involved in patient specific quality assurance (QA) for patients undergoing radiation therapy. They assist the medical physicists in all aspects of routine treatment planning and treatment planning QA, and they contribute to the implementation of new treatment planning techniques and to the development of the dose planning service to radiation oncology. If needed, they may cover and assist therapy radiographers (RTTs) on the treatment floor.

Essential duties and responsibilities

- Performs all aspects of treatment planning tasks including image registration, contouring, and generation of treatment plans.
- Liaises with therapy radiographers on the immobilization technique used for the acquisition of the planning CT scan.
- Together with the medical physicist, evaluates treatment plans to ensure that these fulfil the treatment prescription as defined by radiation oncologist.
- Performs pre-treatment verification dose calculations and checks for all treatment plans.
- Performs pre-treatment verification dose measurements on the linear accelerator as part of the quality assurance program for complex radiation therapy techniques (e.g. IMRT and VMAT).
- Is responsible for collating all necessary documentation on each patient treatment plan prior to treatment and verifies that it is correct and complete.
- May cover early or late shift work at the planning CT or at the treatment unit, if needed.

Qualifications

The post holder must be competent in performing each of the tasks listed above. The qualifications and skills below are representative of the knowledge, skill, and/or ability required.

Education and experience: Degree in therapeutic radiography or equivalent or in medical dosimetry. A minimum of two years of experience as medical radiation dosimetrist / therapy radiographer working in dose planning is required.

Skills

- IT skills to use computerized equipment: experience with the Varian Eclipse treatment planning system is an advantage; experience using Microsoft office software is required.
- Good analytical skills.
- Excellent communication skills and ability to work as part of a multidisciplinary team.

Professional certification

- Current license to practice as a treatment radiographer/radiation therapist.
- Certification of the Association of Medical Dosimetrists (AAMD) is preferred.
- CPR certification is required.

Contact Information

For more information on this post please contact Dr Mania Aspradakis, head of radiotherapy physics (Maria.Aspradakis@ksgr.ch, telephone +41 81 256 6498)