

Guideline Radiation Protection in Medicine

Summary

The Guideline regulates medical practices requiring a license. Prerequisites with regard to personnel, technical facilities and organisational matters for granting a license are laid down in detail for all radiation applications in medicine.

Requirements are described with regard to medical, physical and organisational aspects for applications of open and sealed radioactive substances for diagnosis and treatment, applications of sealed sources for interstitial, endovascular and intracavitary treatment, as well as for contact therapy and for implantation, for treatment with linear accelerators, gamma irradiation, for brachytherapy and afterloading devices.

Requirements for protection of occupationally exposed persons, patients and members of the public are established.

Numerous appendices comprise technical settings of facilities, quality assurance requirements, information for patients, relevant national and international standards as well as requirements for extent and proof of competence in radiation protection which is described in detail for medical doctors, medical physics experts and technical assistance staff.

Generally, the required competence will be gained by suitable education, practical experience and successful participation in radiation protection courses, recognised for the particular application (to be renewed every 5 years).

In particular in appendix 1, 2 and 3, competence requirements, including the minimum duration of work experience with regard to a specific application, as well as content and duration of courses for medical doctors, medical physics experts and technical assistance staff are described in detail.