

OPTIMIZATION OF RADIATION PROTECTION IN MEDICINE

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ABSTRACT:

Ionizing radiation in medicine involves the deliberate and direct exposure of humans, and there is a strong and continuing need to protect patients from unnecessary and unintended exposure, in particular, from incurring high doses. Two main aspects of radiation protection in Medicine are protection of medical staff and protection of patients. The first one deals with dose limits, while the second one with right patient dose.

Worldwide, there are various organizations with different roles to make and implement radiation protection policy consisted of radiation protection standards, legislation, guidelines, programs and practice. On the other hand, there are national legislatures, professional associations aimed at identifying, implementing and advocating solutions.

Recent years have proved that enhance the implementation of the principles of justification of exposure, optimization of protection and safety, straightening of education and training in radiation protection of health professionals, strengthen radiation safety culture, ensure optimization of radiation protection in Medicine.

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