

Status of Radiation Protection at Radiation Oncology, BPKM Cancer Hospital, Nepal

Authors : Surendra B. Chand, P. P. Chaurasia, M. P. Adhikari, R. N. Yadav

Abstract : Objective: The objective of this work was to evaluate all the safety procedures toward the radiation protection for workers in the radiation oncology department. Materials and Methods: The annual thermoluminescent dosimeters (TLDs) reports for five years of the staffs were evaluated, radiation surveys were done in the control consoles, radiotherapy machines room and waiting areas of all machines using Aloka survey meter. Results: The five years TLD reports shows that the whole body dose of the individual staffs is found within the annual dose limit except the accidental exposures. Radiation exposures in the working areas are also safe limits. Conclusion: The radiation safety practices for radiation protection are satisfactory and the radiation workers of the departments are found working within the safe limit.

Keywords : radiation protection, safety, ICRP, dose limits, TLD, radiation devices

Conference Title : ICRRP 2014 : International Conference on Radioactivity and Radiation Protection

Conference Location : Paris, France

Conference Dates : December 30-31, 2014