

### **P3: Assessment of radiation protection practices among Bachelor's Radiology students of ESTSP-IPP**

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**Introduction:** With the increasing use of ionizing radiation as a diagnostic tool in addition to the medical advances in the field of interventional radiology, a greater exposure by workers and students is expectable. For this reason, a greater focus should be given to the radiological protection measures used, in particularly for the students of Radiology Course, as well as a closer monitoring of radiation exposure.

**Objective:** The main goal of our project was to investigate and characterize which are the radiation safety and protection practices adopted by the students during their practical internships at hospitals.

**Materials and Methods:** To assess radiation safety and protection practices an online survey was applied to the 35 students at 4th year of Radiology Bachelor's Course. This questionnaire is composed by two general questions and thirteen multiple-choice questions concerning the radiation nature and the thermoluminescent dosimeters basic principles.

**Results and Discussion:** In general, the students have given reliable and satisfactory answers. Our study showed that all the students know that the dosimeter is a personal and not transferable device. In relation with the radiation protection measures, all the students use the lead waistcoat when required, 80% use thyroid shields and 86% are aware about distance factor, i.e. keep away from the radiation source during interventional radiology and surgery procedures.

**Conclusion:** Through the analysis of the online questionnaires it was possible to conclude that 4th year students recognize the relevance of the radioprotection measures and also knowledge about the appropriate safety measures that should be adopted during their clinical internships.

#### **References**

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