DESIGN AND USE OF TOOLS FOR E&T IN MEDICINE WITH IONIZING RADIATIONS AND RELATED TRANSPORT OPERATIONS OF RADIOACTIVE MATERIAL

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Introduction

The education and training (E&T) on risk analysis is a basic process of the cycle for the continuous improvement of quality and safety. In the other hand, the safety assessment and risk analysis in practices with ionizing radiations is a regulatory requirement in Cuba. The goal of this study is to design and use in seven Cuban organizations of an informative compendium on risk management and an international incident database (IDB) inside an incident learning system (IL) with an integrated use of methods for risk analysis as tools for E&T.

For collecting updated information on management of risk a wide research made by INTERNET from specialized sites of IAEA and IRPA. The first tool is an informative compendium made with Macromedia Dreamweaver 8 in format html. This structured in two access menus. The bibliography included six practices with ionizing radiations. The adopted structure for IDB is similar to SAFRON. This includes around 30 years of published events and near misses. For the last case it was used an adapted Nvflot's level scale



Conclusions

As an answer of the Bon Call for action and the Cuban project on strengthening of guality management in medicine with ionizing radiations, two tools for E&T on risk analysis are available with this study. These were applied with a holistic approach of combined use of proactive and reactive methods in seven Cuban organizations, included two main carriers. Results deliver an effective way for improvement safety culture and making decisions for continuous enhance of safety and quality management. The recommendations provided here complementing the developed learning tools.

Materials and methods

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