

# RISK ASSESSMENT AND MANAGEMENT STRATEGIES FOR RADON AND THORON EXPOSURE IN SOME HEALTHCARE ENVIRONMENTS IN KOSOVO

**Abstract**

Indoor exposure to radon and thoron in healthcare environments, such as hospitals and clinics, is a significant concern due to the potential health risks to patients and staff. This study aims to measure and analyze the activity concentrations of radon and thoron and calculate the values of the effective dose received from patients and staff in selected healthcare facilities across Kosovo, using both active and passive detection methods. The findings of this study will provide insights into the potential health risks associated with prolonged exposure to elevated radon and thoron levels in healthcare settings. Based on the results we will propose strategies for mitigating radiation exposure, such as improving ventilation systems and implementing regular monitoring protocols, to enhance the safety and well-being of both patients and healthcare workers.

**Keywords:** healthcare, radiation protection, risk assessment, radon, thoron

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