Radiological safety and source security in the cobaltotherapy center of the CHU JRA hospital

Madagascar has an external radiotherapy center using a source of cobalt-60. As this source of cobalt is Category 1, extremely hazardous, joint safety and security measures have been implemented to ensure the safe and secure use of said source. The safety component covers the individual monitoring of workers under ionizing radiation, the zoning of work areas, the periodic monitoring of work areas and radiation protection training. In terms of radiological safety, the radiological exposure of exposed workers has been studied and continuous zone monitoring checks have been carried out. Radiation protection awareness sessions have been organized for workers to sensitize them safety good practices. It has been established that the worker exposure doses are all below 6 mSv per year, which is below 20 mSv/year, workers acceptable limit in Madagascar. In termes of Security, a project to assess the security of the site, in particular the source, has been developed to strengthen the security of the source. Instructions have been given to security officers on the information fluidity concerning the security of the said source.

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