

## **MOST FREQUENTLY INFRINGEMENTS FOUND DURING THE INSPECTION AND SUPERVISION OF IONIZING RADIATION IN MEDICINE IN THE REPUBLIC OF MOLDOVA**

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In the Republic of Moldova, in most medical institutions are used frequently ionizing radiation for diagnostic radiology and radiotherapy treatment.

State control and supervision in order to verify the conditions of security and safety of nuclear and radiological activities, is one of the basic functions of the National Agency for Regulation of Nuclear and Radiological Activities (NARNRA), attributed by the LAW No. 132 of 08.06.2012 „On the safe deployment of nuclear and radiological activities“.

Exercising the attributions, NARNRA State inspectors, during the year 2013, have carried out 95 controls at medical institutions using sources of ionizing radiation in diagnostic radiology and radiotherapy treatment, of which: 76-planned, 15-unannounced and 4-repeated. In the process of carrying out the checks, at about 94% of the inspected objectives, has been detected infringements of the legislative provisions in force, in the field. The most frequent infringements detected are: unauthorized nuclear and/or radiological activities and use of facilities without carrying out, regular quality control, according existing legal regulatory framework and, parameters have to be confirmed with technical and radiological methods of measurement. These infringements represent 21 percent and 23 percent of the total number of detected infringements. In order to eliminate detected violations, State inspectors from NARNRA were issued prescriptions for the management of inspected institutions, while in medical institutions, engaged in unauthorized nuclear and radiological activities, were applied administrative sanctions.

Many inspected radiological institutions has fulfilled within the specified period of time, requirements and proposed measures, issued in control documents and prescriptions.