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ABSTRACTS
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PAPER TITLE . Automation registration effective dose irradiation in medical radiological examinations.

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ABSTRACT

Medical radiological examinations make the greatest over background irradiation to the population. This fact results in to control and to restrict the exposure. The conception of "effective equivalent dose" (effective dose) -H is introduced into practice in order to control dose caused by irradiation of an organism during medical radiological examinations.

X-ray dose indicator(INDOR-S) is the complex of measuring and calculating equipment. X-ray dose indicator is used to define the effective dose equivalent(effective dose) during 61 types of radiological examinations. The apparatus connects to the electronic circuit of anode current definition of every radiological equipment.

Dose indicator fully automatizes the process of patient dose during any type radiological examinations. Dose indicator is conducive to essential reduction of patient irradiation facilitates the work of radiologist and his laboratory assistant. The apparatus gives an opportunity to choose the most sparing methods of patient radiological examinations.