

CURRENT ISSUES OF RADIATION THERAPY

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Radiation therapy is rapidly changing through. The rapid development of irradiation techniques resulted in the appearance of a number of tools in medicine. After the millennium, more and more prevalent in the various technical solutions using intensity modulated and image guided radiation therapy techniques.

The new imaging modality in the diagnosis and therapy appears to help localize the tumour size, location, track its movement in space, changes in volume more accurately. While more and more complex techniques in radiotherapy, constantly strive for quality work, there is a need a detailed protocols, control measurements and quality control.

The radiation accidents highlighted the fact that the radiation therapy improper use can be harmful. The detection of various types of errors in the dose delivery process can improve the quality of patient care. A high level of accuracy is needed at every step so that the maximum tumour control is produced with minimal risk to normal tissue.