

From the editor**Dear colleagues!**

The present issue of the scientific electronic journal is dedicated to actual problems of radiology and interventional radiology in Oncology. It is well known that the malignant tumors steadily occupy second place among the mortality reasons of the population and in total structure of mortality about 14%. One of the key indicators, determining the prognosis of oncological diseases is spread of the neoplastic lesions by the time of its discovery. More than 40% of newly registered cancer patients are identified on III-IV stage of the disease, which accounts the high (27.4 percent) indicator of one-year mortality. Based on statistics, the improvement of the malignant tumors detection in the early (I-II) stages will significantly increase the rate of the five-year survival rate of the patients. Analysis of world and Russian trends of the diagnosis quality, the timing of the treatment start for oncology patients shows that the prospects of overcoming the unfavorable situation in Oncology are, among other things, in the field of improvement of tumor radiological detection:

- early or preclinical cancer detection with proper treatment ensures recovery for the most patients;
- for the selection of rational treatment tactics is really important regional and overall prevalence of cancer lesions (adjacent and distant organs and tissues, main vessels, lymph collectors);
- modern methods of cancer treatment is unthinkable without accurate evidence based evaluation of its effectiveness;
- cancer patients often suffer from concomitant non-oncological diseases which significantly influence on the possibility of holding, tactics and content of oncological treatment.

All these factors predetermine the important role of modern methods of diagnostic imaging in oncology, as more than 60% of the information volume, necessary to make a decision about the opportunities, tactics and strategy of treatment provide radiological diagnostic technologies.

Dear colleagues, in this issue you will find lots of new, interesting and useful information dedicated to abilities of different methods of radiological diagnosis, diagnostic and therapeutic techniques in interventional radiology in Oncology. I welcome your feedback, suggestions and wishes, which, I am sure, will contribute to further optimization of research and medical diagnostic work of our professional national community.

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