

From the editor**Dear colleagues!**

This issue of the Russian Electronic Journal of Radiology is dedicated to the most important social problem – the modern radiological diagnostics in women's health and reproduction. There aren't any diseases of women's sphere, which would not have applied modern methods of diagnosis. A few years ago, these techniques have helped doctor to study only the anatomical structure of organs and tissues. Modern devices allow to conduct research with the thinnest slices to create 3D models of organs and pathological processes, to identify changes at an early stage of the disease on molecular level, on the same time don't cause the radiation exposure on the body or expose with extremely small doses of radiation.

Important and timely information about the organs and tissues' status give the modern methods of ultrasonic studies with the doppler mapping, and the identification of the tissue elasticity, magnetic resonance tomography, which has unsurpassed tissue contrast, magnetic resonance spectroscopy, hybrid diagnostic technologies – PET/CT and SPECT/CT, which make it possible to study tissues on the molecular level with accurate anatomical compliance.

These capabilities are used for treatment planning, including planning for operational benefits, minimally invasive treatment and dynamic control.

To make full use of the latest achievements of radiological diagnostics it is necessary to make harmonic interaction between clinicians and diagnosticians, mutual training and understanding of the techniques opportunities and reliability of results.

These are main tasks of current issue of the journal.

Sincerely, Academician,
MD, Professor,
honored scientist of the Russian Federation,
chief specialist on obstetrics and
gynecology of the Ministry of health of Russia
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