

Nuclear medicine

Comprehensive examination topics

1. Isotope diagnostic measuring instruments
2. Construction of SPECT and PET devices
3. Quality control in nuclear medicine
4. Radiopharmacology (generator technique, cyclotron-derived preparations, various signaling techniques)
5. RIA, LIA, other alternative assays and their applications
6. Methodology and clinical application of nuclear cardiology
7. Isotope diagnostic examinations of the central nervous system
8. Isotope diagnostic examinations of the lung
9. Examination procedures of the urinary and excretory system
10. Gastroenterological aspects of nuclear medicine
11. Isotope diagnostic examinations of the bone and joint system
12. Nuclear medicine examinations of the endocrine system
13. Iodine therapy of hyperthyroidism, dosimetry of therapy
14. Open isotope therapy of malignant processes
15. Principles and clinical applications of immunoscintigraphy
16. Clinical applications of emission CTs (SPECT, PET)

Suggested readings:

European Nuclear Medicine Guide, EANM 2018