



# Nuclear Radiology: Studying for the Exam

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The exam consists of four categories. An outline of areas that may be covered is shown below.

This is a general outline and is not all-inclusive.

## **Clinical Nuclear Radiology**

1. Cardiovascular system
2. Central nervous system
3. Endocrine and reproductive systems
4. Gastrointestinal system
5. Musculoskeletal system
6. Pulmonary system
7. Genitourinary system
8. Neoplasms
9. Infection/inflammation
10. Therapies, oral and parenteral

## **Physics and Radioisotope safety in Nuclear Radiology**

11. Radiation physics and instrumentation
12. Radiation protection
13. Mathematics pertaining to the use and measurement of radioactivity
14. Chemistry of by-product material for medical use
15. Radiation biology
16. Diagnostic and therapeutic procedures requiring use of unsealed byproduct material for which a written directive is required, including administration of oral radioiodine below and above 1.22 gigabecquerels (33 millicuries) and administration of parenteral alpha emitters, beta emitters, and photon-emitting radionuclides with a photon energy less than 150 keV.
17. Other NRC-related topics (see [Compliance with NRC Regulations](#))