Questions for test preparation

1. Conventional Radiographic Examination. Principles of imaging. Contraindications and limitations. Use of contrast media. Diagnostic value of the method. Patient preparation.

2. Computed Tomography. Principles of imaging. Contraindications and limitations. Use of contrast media. Diagnostic value of the method. Patient preparation.

3. Magnetic Resonance Imaging. Principles of imaging. Contraindications and limitations. Use of contrast media. Diagnostic value of the method. Patient preparation.

4. Ultrasound Imaging. Principles of imaging. Types of ultrasound examinations. Contraindications and limitations. Diagnostic value of the method. Patient preparation.

5. Nuclear Medicine Imaging. Principles of imaging. Types of radionuclide imaging. Diagnostic value of the methods. Patient preparation.

6. Risks, safety, and protection in radiation-based examinations

7. Interventional Radiology
   Diagnostic and therapeutic vascular and non-vascular procedures under image guidance.

8. Diagnostic imaging modalities and radiologic anatomy of the chest organs. Indications, contraindications, and limitations. Radiologic syndromes of pulmonary diseases. Intra-syndromic differential diagnosis based on clinical and radiologic findings. Radiologic signs of cardiovascular diseases. Emergency radiology.

9. Diagnostic imaging techniques and radiologic anatomy of bones and joints. Indications, contraindications, and limitations. Age-specific radiologic anatomy of the musculoskeletal system. Radiologic signs of bone and joint disorders.
   Radiologic signs of traumatic injuries of bones and joints, including pediatric-specific injury patterns.

10. Diagnostic imaging methods of the hepatopancreatoduodenal zone. Indications, contraindications, and limitations. Radiologic anatomy of the hepatopancreatoduodenal zone. Radiologic signs of hepatopancreatoduodenal zone diseases. Emergency radiology.

11. Diagnostic imaging methods of the urinary system. Indications, contraindications, and limitations. Radiologic anatomy of the urinary system. Diagnostic imaging of urinary system diseases.