

List of practical skills for the final modular control.

1. Explain the biological effect of ionizing radiation.
2. Identify indications and contraindications to radiation therapy of tumor and non-tumor diseases.
3. Choose the method of radiation therapy - remote, contact.
4. Apply methods of prevention of possible general and local complications during radiation therapy.
5. Explain the principle of obtaining a medical image using X-rays during X-rays.
6. Explain the principle of obtaining a medical image using X-rays during radioscopy.
7. Explain the principle of obtaining a medical image using X-rays during computed tomography.
8. Explain the principle of obtaining a medical image using magnetic resonance imaging.
9. Explain the principle of obtaining a medical image using ultrasound.
10. Make a referral for a chest x-ray.
11. Make a referral for a CT scan of the chest.
12. Make a referral for a chest MRI.
13. Prepare the patient for gastrointestinal radioscopy.
14. Prepare the patient for ultrasound of the abdominal cavity and peritoneal space.
15. Prepare the patient for excretory urography.
16. Prepare the patient for mammography.
17. From the given set of radiographs of bones to select images with osteoporosis, osteosclerosis, destruction, osteonecrosis.
18. Describe the radiograph of a patient with a fracture of the clavicle (according to the description scheme).
19. Describe the radiograph of a patient with subluxation in the elbow joint (according to the description scheme).
20. Choose a method of radiological examination for a patient with osteomyelitis of the femur in the acute stage.
21. To make the description of the roentgenogram with the image of bodies of a thoracic cavity in norm or rate.
22. Choose the method of radiological examination of a patient with atelectasis.
23. To make algorithm of research at a malignant tumor of a lung.
24. Evaluate the results of the used method of radiological examination of the thoracic cavity.
25. From the given set of radiographs to select the image of a "niche" on a contour, "depot" of a contrast on a relief, thickening of folds, atrophy of folds of mucous.
26. To make algorithm of radiological research at a malignant tumor of a stomach.

27. To make algorithm of radiological research at intestinal impassability.
28. Describe the radiograph of a patient with duodenal ulcer (according to the description scheme).
29. Describe the radiograph of a patient with a malignant tumor of the colon (according to the description scheme).
30. Describe the urogram of a patient with hydronephrosis.