

LIST OF PRACTICAL SKILLS

Students must be able to:

1. Choose radiation therapy and make up a plan of treatment under supervision of the doctor.
2. Recognize independently the image of all human organs on radiograph, to indicate their major anatomical structures.
3. Identify shadows and radiolucency on radiographs.
4. Define hyperdensity and hypodensity zones on computer tomography.
5. Identify the image of organs on sonograms.
6. Identify areas of hyper-and hypoechoic.
7. Recognize independently the organs on the magnetic resonance image.
8. Recognize independently the organs on the scintigram.
9. Write their own direction for the diagnostic imaging, with the particular disease.
10. Make a protocol of radiological image injuries and diseases of the musculoskeletal system.
11. Identify independently the X-ray abnormalities in the lungs and make it into a research protocol.
12. Estimate independently the x-ray image and perform x-ray protocol for acute lung diseases, such as pneumothorax, pneumonia, hydrothorax.
13. Check out the direction to the radiologist and make preparation of the patient to X-ray examination.
14. According to X-ray image to define the basic parameters of the anatomical images of the heart and great vessels.
15. Determine basics pathological heart forms and vascular lesions by X-ray data.
16. To estimate the morphological and functional changes in the most common diseases of the heart with radiologist consultation or according to the protocol of radiological research.
17. Recognize x-ray signs of perforated ulcer, acute intestinal obstruction.
18. Identify basics radiograph syndromes with diseases of gastro-intestinal tract
19. To estimate the morphological and functional changes in the most common diseases of the liver and pancreas with radiologist consultation or according to the protocol of radiological research.
20. Recognize focal hepatic lesions (cysts, tumors), cholelithiasis on their sonograms.
21. To estimate the morphological and functional changes in the most common renal diseases on radiological images with radiologist consultation or according to the protocol of radiological research.
22. Identify the scope and sequence of radiological researches in diseases of the endocrine system.
23. To estimate the morphological and functional changes at most frequent diseases of the nervous system with radiologist consultation or according to the protocol of radiological research.

Chief of Department
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