

**CONSPECTUS FOR EXAMINATION OF IMAGING DIAGNOSTIC
2018/2019**

1. Get an X-ray image.
2. Contrast materials. Routes of administration. Indications. Contraindications. Complications.
3. X-ray centering methods for examination of jaws and facial skeleton. Indications.
4. Radiographs of teeth in the methods of Belo and Simpson. Indications.
5. Radiographs of teeth in the methods of Dick, bite-wing, parallel technique and oblique radiographs. Indications.
6. Orthopantomography-nature. Indications.
7. Ultrasound diagnosis - principle and application in dentistry.
8. Computer tomography - principle and application in dentistry.
9. Magnetic resonance- principle and application in dentistry.
10. Protection from radiation- principles. Dosimetry.
11. Imaging methods to study the respiratory system. Normal anatomy of the respiratory system.
12. General X-ray symptoms of respiratory diseases. Types of shadows.
13. Imaging methods of research of cardiovascular system.
14. Normal X-ray anatomy of the cardiovascular system.
15. The imaging method of examination of the digestive canal.
16. Normal radiological anatomy gastrointestinal tract.
17. Imaging methods of investigation of hepatobiliary area. Normal x-ray anatomy.
18. Imaging methods of examination of the urinary system. Normal x-ray anatomy.
19. Imaging methods of study of bone. Normal X-ray image of the bones and joints.
20. Normal X-ray anatomy of the facial skull, jaws and teeth.
21. The major pathological processes in bone tissue. Osteoporosis. Osteosclerosis.
22. The main pathological processes in the bone tissue. Osteolysis. Osteodystrophy.
23. The major pathological processes in bone tissue. Osteonecrosis. Periosteal reaction.
24. Anomalies and varieties in the development of facial skull, jaws and teeth.
25. Traumatic injuries to bones and joints. General X-ray symptoms. Dislocations.
26. Fractures of the skull, jaws and teeth. X-ray symptoms.
27. Osteomyelitis. General symptoms. Atypical shaped forms. Specifics of the location in the jaws.
28. Benign nonodontogenic tumors. Classification. Specifics of location in facial bones and jaws.
29. Benign odontogenic tumors.
30. Malignant bone tumors. Classification. Metastases. . Specifics of location in facial bones and jaws.
31. Cysts in jaws. Types. Imaging symptoms.
32. Imaging diseases of the salivary glands.
33. Imaging diseases of the temporomandibular joint.
34. Imaging diseases of sinuses.
35. Decay. Pulp stones. Hypercementosis. Odontolithiasis.
36. Periodontitis. Types. Imaging symptoms
37. Parodontitis. Imaging symptoms.

Approved: **HEAD OF DEPARTMENT:**
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Basic literature

1. Stuart C. White; Michael J. Pharoah. **Oral Radiology: Principles and Interpretation 7e.** ELSEVIER, 2013.
2. Dr. Richard H. Daffner; Dr. Matthew S. Hartman. **Clinical Radiology: The Essentials.** Wolters Kluwer / Lippincott Williams & Wikins