

## ZKUŠEBNÍ SOUBOR OTÁZEK PRO ZAHRANIČNÍ STUDENTY (VŠEOBECNÝ SMĚR)

1. Contrast media used in DI – impact and risks (classic X-ray. AG, CT, US, MRI).
20. Diagnostic imaging of skeleton trauma - impact of different imaging modalities, rational diagnostic algorithms.
2. X-ray picturing and fluoroscopy – impact versus risks.
21. Diagnostic imaging of urinary tract obstruction - rational diagnostic algorithms
3. Diagnostic imaging of the brain – methods, rational diagnostic algorithms (stroke, tumors, ischemia, pediatrics, etc.).
22. Diagnostic imaging in Crohn disease - impact of different imaging modalities, rational diagnostic algorithms.
4. Diagnostic imaging of the lungs – methods, rational diagnostic algorithms (inflammation, tumors, embolisation, pneumothorax, hydrothorax, etc.).
23. Diagnostic imaging of the lymphatic system – methods, rational algorithms, lymphography.
5. Diagnostic imaging of the bones – methods, rational diagnostic algorithms (maldevelopment, tumors, osteomyelitis, nutrition disorders, metastases, etc.).
24. Diagnostic imaging of the lymphomas, lymph-node metastases, lymphoedema.
6. Diagnostic imaging of parenchymatous organs in the abdomen and retroperitoneum (liver, spleen, kidneys, pancreas, adrenal glands, etc.); methods and rational diagnostic algorithms (tumors, nodal and diffuse lesions, endocrinological disorders, etc.).
25. Diagnostic imaging in the tuberculosis.
7. Diagnostic imaging of the arterial system – methods, rational diagnostic algorithms, interventional procedures (angioplasty, embolisation, regional chemotherapy, etc.).
26. Diagnostic imaging of the spine in Bechterev and Scheuermann diseases – rational diagnostic algorithms.
8. Diagnostic imaging of the venous system – methods, rational diagnostic algorithms, interventional procedures (stenting) – main indications.
27. Diagnostic imaging of the stroke - rational diagnostic algorithms.
9. Diagnostic imaging of the urinary system – methods, rational diagnostic algorithms, interventional procedures (percutaneous nephrostomy and endourological procedures) – indications.
28. Diagnostic imaging of the acute abdomen – rational diagnostic algorithms.
10. Diagnostic imaging in gynecology and obstetrics – methods, rational diagnostic algorithms, indications of different modalities.
29. Diagnostic imaging of malignant tumors of the large bowel - rational diagnostic algorithms.
11. DI of the oesophageus, stomach, small and large bowels – methods, rational diagnostic algorithms (double contrast methods, enteroclysis, etc.).
30. Diagnostic imaging of the bileduct obstructions - rational diagnostic algorithms and possible interventional procedures (drainage).

12. Diagnostic imaging of metastatic disease (bones, lymph nodes, parenchymatous organs, etc.).
31. Diagnostic imaging of cardiac insufficiency – rational algorithms, diagnostic patterns.
13. Interventional radiological procedures in urinary system.
32. Diagnostic imaging of degenerative changes in the joints – methods, rational diagnostic algorithms.
14. Interventional radiological procedures on bileducts.
33. Diagnostic imaging of the soft tissue and joints – methods, rational diagnostic algorithms.
15. Diagnostic imaging of the tumors of the lung – impact of different diagnostic imaging modalities – rational diagnostic algorithm.
34. Angiography – basic principles, methodology, technic.
16. Diagnostic imaging of the bowel obstruction (ileus) – impact of different diagnostic modalities.
35. Double contrast examination of the digestive tract – principles, technic, methodology.
17. Diagnostic imaging of the brain-trauma – methods, rational diagnostic algorithm.
36. Diagnostic in congenital and acquired heart diseases – methods, rational algorithms, diagnostic patterns.
18. Diagnostic of pancreatic lesions – impact of different imaging modalities.
37. Coronarography and following interventional procedures.
19. Diagnostic imaging of the bileducts – impact of different imaging modalities.
38. Diagnostic imaging of skeletal trauma in childhood (skeletal maturity !).