

Orthopedics VLa – questions

1. General principles of examination in orthopedics - measurement the length of the limbs, goniometry, SFTR method.
2. Invasive examination methods of musculoskeletal system (diagnostic and therapeutic joint puncture, biopsy, arthroscopy).
3. Rehabilitation and Physiotherapy in orthopaedics and traumatology.
4. Developmental dysplasia of the hip (pathophysiology, diagnosis, clinical features, treatment and prevention).
5. Congenital systemic diseases of the skelet - Achondroplasia, Osteogenesis imperfecta, Osteopetrosis, (clinical signs, diagnosis and treatment).
6. Obtained systemic skeletal diseases - osteoporosis and rachitis, Paget's disease (clinical signs, diagnosis and treatment).
7. Osteoarthritis and aging of the tissue (clinical signs, diagnosis and treatment).
8. Aseptic bone necrosis (clinical signs, diagnosis and treatment).
9. Primary benign bone tumors (clinical signs, X-ray findings, diagnosis and treatment principles).
10. Malignant tumors of the bones – osteosarcoma, chondrosarcoma, Ewing's sarcoma, secondary bone tumors (clinical signs, X-ray finding, diagnosis and treatment principles).
11. Axial disorders of the spine - scoliosis, poor posture, hyperlordosis, hyperkyphosis (clinical symptoms, diagnosis and treatment).
12. Degenerative diseases of the shoulder and elbow joint – bursitis, damage to the rotator cuff and biceps tendom, frozen shoulder, tendinopathies in the area of the elbow.
13. Proximal femoral diseases – axial deviations, Slipped Capital Femoral Epiphysis, Perthes disease, hip osteoarthritis (clinical signs, diagnosis and treatment).
14. Knee joint diseases – axial deviations, meniscal damage and knee ligament injury, knee osteoarthritis (clinical signs, diagnosis and treatment).
15. Congenital and acquired deformities of the foot – flat feet, hallux valgus, hammer toe, club foot, calcaneovalgus foot (clinical symptoms, diagnosis and treatment).

16. Basic operative methods in orthopedics – osteosynthesis, osteotomy, arthroplasty, arthroscopy, amputation (principles, indications).
17. Non-specific inflammation of the bones and joints – osteomyelitis, septic arthritis (classification, clinical presentation, diagnosis and treatment).
18. Injuries and inflammation of muscles and tendons – rupture, tendinopathy (classification, clinical signs, diagnosis and treatment).
19. Fractures in general (classification, pathophysiology, diagnostics, bone healing, principles and types of osteosynthesis).
20. Complications of fractures – compartment syndrome, ischemic contract, healing disorders, complications of conservative and surgical treatment of fractures and their prevention.
21. Fractures and luxation of the shoulder joint, scapula and humerus (classification, clinical symptoms, diagnosis and treatment).
22. Fractures of the elbow, forearm and hand (classification, clinical features, diagnosis and treatment).
23. Fractures of the pelvis and the pelvic ring (classification, clinical features, diagnosis and treatment).
24. Proximal femur fractures (classification, clinical features, diagnosis and treatment).
25. Femur shaft fractures and fractures of the knee joint (classification, clinical features, diagnosis and treatment).
26. Fractures of the tibia, ankle and foot bones (classification, clinical features, diagnosis and treatment).
27. Children's fractures (specificities, clinical features, diagnosis and treatment).
28. Fractures in elderly patients, osteoporotic fractures (specificities, clinical features, diagnosis and treatment).