

# CONTENT

Preface .....	7
<b>1. EXAMINATION METHODS IN ORTHOPEDICS AND TRAUMATOLOGY (clinical, laboratory, and imaging)</b> <i>Filip Svatoš, Jan Ježek</i> .....	9
<b>2. DEVELOPMENTAL DYSPLASIA OF THE HIP</b> <i>Michal Zídka</i> .....	17
<b>3. CHILDHOOD DISORDERS OF THE HIP EXCLUDING DDH (transient synovialitis, Legg-Calvé-Perthes disease, coxa vara adolescentium)</b> <i>Jiří Záhorka</i> .....	27
<b>4. NEUROMUSCULAR DISEASES IN ORTHOPEDICS (perinatal injury, cerebral palsy, poliomyelitis, compression of peripheral nerves)</b> <i>Jiří Chomiak</i> .....	38
<b>5. ORTHOPEDIC DISORDERS OF THE FOOT (pes equinovarus, pes planovalgus, hallux valgus, digitus hammatu)</b> <i>Michal Zídka</i> .....	52
<b>6. CONGENITAL, DEVELOPMENTAL, AND ACQUIRED DISRODES OF THE SPINE (scoliosis, Scheuermann disease, spondylosis, spondyloarthrosis)</b> <i>Martin Krbec</i> .....	62
<b>7. BACK PAIN (differential diagnosis)</b> <i>Jan Ježek</i> .....	79
<b>8. ASEPTIC OSTONECROSIS, ENTHESOPATHIES, AND TENDINOUS INFLAMMATION</b> <i>Vladimír Pacovský</i> .....	84

<b>9. NONSPECIFIC AND SPECIFIC INFLAMMATION OF BONES AND JOINTS (osteomyelitis, septic arthritis, tuberculosis in bones)</b>	
<i>Radek Bartoška</i> .....	91
<b>10. DEGENERATIVE DISEASES OF JOINTS, AND THEIR ORTHOPEDIC TREATMENT (arthritis, rheumatoid arthritis, osteotomies, and endoprosthetics)</b>	
<i>Vladimír Frič</i> .....	105
<b>11. TUMORS OF THE BONE (classification, diagnostics, and principles of treatment)</b>	
<i>Pavel Douša</i> .....	118
<b>12. CLASSIFICATION OF FRACTURES, HEALING OF FRACTURES</b>	
<i>Jiří Mašek, Libor Luňáček</i> .....	129
<b>13. CONSERVATIVE TREATMENT OF FRACTURES INCLUDING PHYSIOTHERAPY AND ORTHOPEDIC PROSTHETICS</b>	
<i>Ondřej Popelka</i> .....	135
<b>14. BANDAGING AND CASTING TECHNIQUES, SKELETAL TRACTION</b>	
<i>Vladimír Pacovský</i> .....	144
<b>15. SURGICAL TREATMENT OF FRACTURES (osteosynthesis) AND THEIR COMPLICATIONS (infections, failure of osteosynthesis)</b>	
<i>Jiří Skála-Rosenbaum, Valér Džupa</i> .....	151
<b>16. COMPLICATIONS AND CONSEQUENCES OF FRACTURE TREATMENT (Sudeck syndrome, delayed healing, non-union, deformity) AND THEIR MANAGEMENT (osteosynthesis, spongioplasty, osteotomy)</b>	
<i>Libor Luňáček, Valér Džupa</i> .....	159
<b>17. OPEN FRACTURES, TREATMENT AND COMPLICATIONS (infection, compartment syndrome)</b>	
<i>Pavel Čech, Pavel Pazdírek</i> .....	166
<b>18. INJURIES TO THE SPINE AND SPINAL CORD</b>	
<i>Jiří Skála-Rosenbaum</i> .....	178
<b>19. INJURIES TO THE SHOULDER JOINT</b>	
<i>Vladimír Frič</i> .....	192
<b>20. DIAPHYSEAL FRACTURES OF THE HUMERUS, FEMUR, AND TIBIA</b>	
<i>Pavel Douša</i> .....	204
<b>21. FRACTURES AND DISLOCATIONS AROUND THE ELBOW JOINT IN ADULTS</b>	
<i>Jiří Marvan</i> .....	212

<b>22. FRACTURES OF THE FOREARM, AND INJURIES RELATED TO THE WRIST AND HAND</b>	
<i>Vladimír Pacovský</i> .....	221
<b>23. FRACTURES OF THE PELVIS AND ACETABULUM</b>	
<i>Valér Džupa</i> .....	231
<b>24. FRACTURES OF THE PROXIMAL FEMUR</b>	
<i>Jiří Skála-Rosenbaum</i> .....	240
<b>25. FRACTURES AROUND THE KNEE JOINT (distal femur, patella, and proximal tibia)</b>	
<i>Libor Luňáček</i> .....	249
<b>26. INJURIES TO THE LIGAMENOUS APPARATUS OF THE KNEE AND INJURIES TO THE MENISCUS</b>	
<i>Jakub Ježek</i> .....	258
<b>27. INJURIES TO THE ANKLE AND FOOT</b>	
<i>Jiří Marvan</i> .....	265
<b>28. INJURIES TO JOINTS (injuries to ligaments, intraarticular fractures)</b>	
<i>Roman Košťál</i> .....	275
<b>29. INJURIES TO THE MUSCULOSKELETAL APPARATUS DURING POLYTRAUMA AND IN MULTIPLE TRAUMA (interdisciplinary cooperation, diagnostics, treatment algorithms)</b>	
<i>Pavel Douša</i> .....	283
<b>30. GERIATRIC TRAUMA CARE (diagnostics, typical fractures in elderly, treatment principles, social factors)</b>	
<i>Valér Džupa</i> .....	289
<b>31. POST-TRAUMATIC GROWTH DISORDERS</b>	
<i>Petr Havránek</i> .....	295
<b>32. INJURY TO GROWTH CARTILAGE (physeal and epiphyseal injuries, classification)</b>	
<i>Petr Havránek</i> .....	300
<b>33. SPECIFICS OF PEDIATRIC FRACTURES</b>	
<i>Tomáš Pešl</i> .....	304
<b>34. CONSERVATIVE METHODS OF TREATMENT OF PEDIATRIC FRACTURES (reduction, fixation, traction)</b>	
<i>Tomáš Pešl</i> .....	310
<b>35. PRINCIPLES OF OSTEOSYNTHESIS IN PEDIATRIC FRACTURES</b>	
<i>Tomáš Pešl</i> .....	315

<b>36. SUPRACONDYLAR FRACTURES OF THE HUMERUS, FRACTURES AND DISLOCATIONS AROUND THE ELBOW IN CHILDREN</b>	
<i>Petr Havránek</i> .....	320
<b>37. FOREARM FRACTURES IN CHILDREN, MONTEGGIA LESION</b>	
<i>Martin Čepelík</i> .....	331
<b>38. FEMUR FRACTURES IN CHILDREN</b>	
<i>Petr Havránek</i> .....	338
<b>List of abbreviations</b> .....	345
<b>Recommended and cited literature</b> .....	349
<b>Authors</b> .....	350