

Orthopaedic Knowledge Update 9

Jeffrey S. Fischgrund, MD, Editor

Section 1: Principles of Orthopaedics - S. Tim Yoon, MD, Joshua Jacobs, MD, Thomas Moore, MD, and Mary-Ann Keenan, MD, Section Editors

1. Orthopaedic Research: Clinical Epidemiology and Biostatistics
2. Bone Healing and Grafting
3. Cartilage and Intervertebral Disk
4. Muscle, Tendon, and Ligament
5. Spinal Cord and Peripheral Nerve Injury
6. Musculoskeletal Biomechanics
7. Bearing Materials for Joint Replacement
8. Musculoskeletal Imaging
9. Perioperative Medical Management
10. Medical Care of Athletes
11. The Polytrauma Patient
12. Coagulation, Thromboembolism, and Blood Management in Orthopaedic Surgery
13. Work-Related Illness, Cumulative Trauma, and Compensation
14. Outcomes Assessment and Evidence-Based Practice Guidelines in Orthopaedic Surgery
15. Professionalism and Ethics

Section 2: Systemic Disorders - Tushar C. Patel, MD, and Suken Shah, MD, Section Editors

16. Bone Metabolism and Metabolic Bone Disease
17. Musculoskeletal Oncology
18. Arthritis
19. Neurologic Diseases
20. Infection
21. Pain Management

Section 3: Upper Extremity - Scott Steinmann, MD, Section Editor

22. Shoulder and Elbow Injuries in the Athlete
23. Shoulder Trauma: Bone
24. Shoulder Instability
25. Shoulder Reconstruction
26. Elbow and Forearm Trauma
27. Elbow Reconstruction
28. Wrist and Hand Trauma
29. Hand and Wrist Reconstruction

Section 4: Lower Extremity - Michael J. Archibeck, MD, and Andrew H. Schmidt, MD, Section Editors

30. Biomechanics and Gait
31. Pelvic Ring and Acetabular Fractures
32. Hip Trauma
33. Hip and Pelvic Reconstruction and Arthroplasty
34. Femoral Fractures

35. Fractures About the Knee
36. Soft-Tissue Injuries About the Knee
37. Knee Reconstruction and Replacement
38. Tibial Fractures
39. Midfoot and Forefoot Injuries
40. Ankle and Hindfoot Trauma
41. Foot and Ankle Reconstruction
42. Lower Extremity Amputation

Section 5: Spine - Alan Hilibrand, MD, and Jim Youssef, MD, Section Editors

43. Pathophysiology of Spinal Disease, Disk Degeneration, Pathoanatomy of Degenerative Disease
44. Degenerative Disease: Cervical Spine, Lumbar Spine
45. Traumatic Injuries: Cervical Spine, Thoracolumbar Trauma, Infection
46. Adult Deformity: Adult Scoliosis, Sagittal Plane Deformity
47. New Technologies
48. Spondylolysis and Spondylolisthesis
49. Thoracic Disk Herniations
50. Adult Spine Tumors

Section 6: Pediatrics - John Flynn, MD, Section Editor

51. Shoulder, Upper Arm, and Elbow Trauma: Pediatric
52. Forearm, Wrist, and Hand Trauma: Pediatric
53. Upper Extremity Disorders: Pediatric
54. Spine Trauma and Disorders: Pediatric
55. Hip, Pelvis, and Femur Trauma: Pediatric
56. Knee, Leg, Ankle, and Foot Trauma: Pediatric
57. Hip, Pelvis, and Femur Disorders: Pediatric
58. Injuries and Conditions of the Pediatric and Adolescent Athlete
59. Lower Limb and Foot Disorders: Pediatric
60. Skeletal Dysplasias, Connective Tissue Diseases, and Other Genetic Disorders
61. Neuromuscular Disorders in Children
62. Pediatric Tumors, Infections, and Hematologic Diseases