

### ***Section 1: Basic Considerations***

- 1. Anatomy and Physiology of the Pain Signaling Process***
- 2. Neurochemistry of Somatosensory and Pain Processing***
- 3. Taxonomy: Definition of Pain Terms and Chronic Pain Syndromes***

### ***Section 2: Clinical Evaluation and Diagnostic Examinations***

- 4. Physical Examination of the Patient with Pain***
- 5. Pain Assessment***
- 6. Psychological Evaluation and Testing***
- 7. Diagnostic and Statistical Manual of Mental Disorders and Pain Management***
- 8. Neurophysiologic Testing for Pain***
- 9. Anatomy, Imaging and Common Pain-Generating Degenerative Pathologies of the Spine***
- 10. Determination of Disability***

### ***Section 3: Perioperative Pain Management***

- 11. Preventive Analgesia***
- 12. Perioperative Nonopioid Infusions for Postoperative Pain Management***
- 13. Patient-Controlled Analgesia***
- 14. Intrathecal Opioid Injections for Postoperative Pain***
- 15. Epidural Opioids for Postoperative Pain***
- 16. Continuous Peripheral Nerve Blocks***
- 17. Pediatric Postoperative Pain***
- 18. Chronic Pain After Surgery***

### ***Section 4: Chronic Pain Syndromes***

- 19. Migraine Headache and the Trigeminal Autonomic Cephalalgias (TAC)***
- 20. Tension-Type Headache, Chronic Tension-Type Headache, and Other Chronic Headache Types***
- 21. Postmeningeal Puncture Headache and Spontaneous Intracranial Hypotension***
- 22. Cervicogenic Headache***
- 23. Orofacial Pain***

- 24. Overview of Low Back Pain Disorders*
- 25. Myofascial Pain Syndrome*
- 26. Fibromyalgia and Centralized Pain States*
- 27. Complex Regional Pain Syndrome*
- 28. Herpes Zoster and Postherpetic Neuralgia*
- 29. Postamputation Pain*
- 30. Central Pain States*
- 31. Pelvic Pain*
- 32. Painful Peripheral Neuropathies*
- 33. Entrapment Neuropathies*

*Section 5: Cancer Pain and Pain in Special Situations*

- 34. Approach to Management of Cancer Pain*
- 35. Management of Pain at End of Life*
- 36. Pain Management in the Emergency Department*
- 37. Chronic Pain Management in Children and Adolescents*
- 38. Sickle Cell Pain*
- 39. Pain Management During Pregnancy and Lactation*
- 40. Pain Control in the Critically Ill Patient*
- 41. Geriatric Pain*

*Section 6: Pharmacology and Pharmacologic Modalities*

- 42. Major Opioids and Pain Management*
- 43. Opioids Used for Mild to Moderate Pain*
- 44. The Prescription Drug Abuse Epidemic and Emerging Prescribing Guidelines*
- 45. Legal and Regulatory Issues in Pain Management*
- 46. Urine Drug Testing*
- 47. Substance Use Disorders and Detoxification*
- 48. Psychopharmacology for Pain Medicine*
- 49. Membrane Stabilizers*
- 50. Recommendations for Pharmacological Therapy of Neuropathic Pain*
- 51. Nonopioid Analgesics: NSAIDs, COX-2 Inhibitors, and Acetaminophen*
- 52. Intravenous Infusions for Refractory Cancer and Chronic Pain States*

- 53. Pharmacologic Management of Myofascial Pain*
- 54. Pharmacologic Management of CRPS*
- 55. Pharmacology for the Interventional Pain Physician*
- 56. Role of Cannabinoids in Pain Management*

#### *Section 7: Therapeutic Interventions*

- 57. Ablative Neurosurgical Procedures for Treatment of Chronic Pain*
- 58. Physical Medicine and Rehabilitation Approaches to Pain Management*
- 59. Psychological Interventions for Chronic Pain*
- 60. Acupuncture*
- 61. Tai Chi and Chronic Pain*

#### *Section 8: Interventional Techniques for Pain Management*

- 62. Interlaminar Epidural Steroid Injections for Lumbosacral Radicular Pain*
- 63. Transforaminal Epidural Steroid Injections and Selective Nerve Root Blocks*
- 64. ANTI TNF - a Drugs and DMARDs for Low Back Pain*
- 65. Facet Syndrome*
- 66. Sacroiliac Joint Syndrome*
- 67. Piriformis Syndrome*
- 68. Pulsed Radiofrequency, Water-Cooled Radiofrequency, and Cryoneurolysis*
- 69. Discography*
- 70. Vertebroplasty and Kyphoplasty*
- 71. Neurolytic Sympathetic Blocks*
- 72. Central and Peripheral Neurolysis*
- 73. Spinal Cord Stimulation*
- 74. Peripheral Nerve Stimulation*
- 75. Dorsal Root Ganglion Stimulation*
- 76. Implanted Drug Delivery Systems for the Control of Chronic Pain*
- 77. Fluoroscopy and Radiation Safety*
- 78. Efficacy of Interventional Procedures for Neuropathic Pain*

#### *Section 9: Other Nerve Blocks in Pain Medicine*

- 79. Ultrasound-Guided Procedures for Pain Management*
- 80. Deep Muscle Injections: Piriformis, Scalene Muscle, Iliopsoas Injections*
- 81. Ultrasound-Guided Musculoskeletal Injections--Shoulder, Hip, and Knee*
- 82. Head and Neck Blocks*
- 83. Truncal Blocks: Intercostal, Paravertebral, Interpleural, Tap, Suprascapular, Ilioinguinal, and Iliohypogastric Nerve Blocks*
- 84. Sympathetic Blocks: Stellate Ganglion, Lumbar Sympathetic Blocks, and Visceral Sympathetic Blocks -- Fluoroscopy and Ultrasound-Guided*
- 85. Interventional Pain Procedures in Patients on Anticoagulants*
- 86. Interventional Pain Procedures and the Risk of Infection*