State-of-the-art solutions to restore hand function in patients with difficult hand ailments

The intricate balance of the intrinsic and extrinsic soft tissue structure and bony scaffold of the hand, coupled with 31 articulating services in the hand and wrist, can lead to significant surgical challenges. Providing surgeons with technical pearls to overcome these challenges is the primary focus of *Problems in Hand Surgery: Solutions to Recover Function* by internationally renowned hand surgeons Michael W. Neumeister and Michael Sauerbier, and an impressive group of contributors.

Organized by 29 sections and 90 chapters, this comprehensive book focuses on secondary hand surgeries to optimize hand form and function in patients with challenging trauma- and disorder-related hand issues. Among the many topics addressed are problems associated with nonunion, malunion, dysvascular limbs, trauma-related degenerative changes, stiffness, tendon dysfunction, joint disruption, nerve injury, neuropathy, vasospasm, fractures, and osteoarthritis.

Key Highlights

- Unique approaches for stiff fingers, recurrent cubital tunnel and ulnar neuropathy, suboptimal bone healing/avascular necrosis in the hand and wrist, and more
- High-quality videos provide insightful guidance on various surgical techniques
- Over 1,100 color illustrations and preoperative, intraoperative, and postoperative images help readers visualize the steps involved in each operative procedure

The extraordinary clinical tools in this step-by-step surgical resource will help orthopaedic surgery residents and experienced orthopaedic and plastic surgeons manage difficult cases and achieve optimal patient outcomes.

This book includes complimentary access to a digital copy on [https://medone.thieme.com](https://medone.thieme.com).

**COMPETITION**

There is no direct competition on the market.
CONTENTS
Section I: Problems with Nailbed Repairs
Chapter 1: Nonadherence of the Nail Plate
Chapter 2: Posttraumatic Split Nails
Chapter 3: Gentian Violet Treatment of Severe Chronic Paronychia

Section II: Problems with Trigger Release
Chapter 4: Bowstringing

Section III: Problems with Dupuytren's Disease
Chapter 5: Exposed Tendons
Chapter 6: Acute Vascular Compromise After Dupuytren's Fasciectomy
Chapter 7: Secondary Contractures
Chapter 8: Complications of Dupuytren's Contracture Treatment

Section IV: Problems with Flexor Tendon Repair
Chapter 9: Flexor Tendon Rupture
Chapter 10: Adhesions of the Flexor Tendon
Chapter 11: Bowstringing of the Flexor Tendon
Chapter 12: Ruptured Flexor Pollicis Longus Tendon

Section V: Problems with Extensor Tendon Repair
Chapter 13: Extensor Lag
Chapter 14: Stiffness in the Extensor Tendon
Chapter 15: Relative Motion Treatment of Chronic Boutonniere Deformity
Chapter 16: Management of Chronic Sagittal Band Rupture
Chapter 17: Post-Traumatic Swan-Neck Deformity

Section VI: Problems with Vasospasm
Chapter 18: Refractory Raynaud's Phenomenon

Section VII: Problems with Compression Neuropathy
Chapter 19: A Practical Approach to Recurrent Carpal Tunnel Syndrome
Chapter 20: Recurrent Carpal Tunnel Syndrome
Chapter 21: Failed Carpal Tunnel Release: Recognizing the Lacertus Syndrome
Chapter 22: Cubital Tunnel Release at the Elbow
Chapter 23: Recurrent Cubital Tunnel
Chapter 24: Recurrent Ulnar Neuropathy
Chapter 25: Radial Tunnel Release in the Forearm

Section VIII: Problems with Nerve Repair
Chapter 26: End Neuroma
Chapter 27: Pain Following Nerve Repair

Section IX: Problems with Nerve Palsy
Chapter 28: Finger Contractures

Section X: Sarcoma
Chapter 29: Incomplete Resection of Sarcoma at the Hand

Section XI: Problems with Soft Tissue Coverage
Chapter 30: Perfusion Problems
Chapter 31: The Bulky Flap
Chapter 32: Contracture After Acute Trauma Surgery of a Blast Burn
Chapter 33: Dorsal Hand Defect

Section XII: Problems with Nonarticular Phalanx Fractures
Chapter 34: Malrotation in Nonarticular Phalanx Fractures
Chapter 35: Nonunion in Nonarticular Phalanx Fractures
Chapter 36: Stiffness and Hardware Problems in Nonarticular Phalanx Fractures
Chapter 37: Angulation in Nonarticular Phalanx Fractures

Section XIII: Problems with Articular Phalanx Fractures
Chapter 38: Angulation in Articular Phalanx Fractures
Chapter 39: Post-Traumatic Bone Loss in Articular Phalanx Fractures
Chapter 40: Fracture after Prior Kirschner Wire Fixation
Chapter 41: Contractures in Articular Phalanx Fractures

Section XIV: Problems with Metacarpal Fractures
Chapter 42: Nonunion in Metacarpal Fractures
Chapter 43: Malunion in Metacarpal Fractures
Chapter 44: Angulation in Metacarpal Fractures

Section XV: Problems with Basalar Joint Osteoarthritis
Chapter 45: Recurrent Pain in Basalar Joint Osteoarthritis
Chapter 46: Painful Proximalization of First Metacarpal After Trapeziectomy
Chapter 47: Metacarpal Phalangeal Hyperextension

Section XVI: Problems with Metacarpal Phalangeal Osteoarthritis After Implant Arthroplasty
Chapter 48: Intraoperative Instability During Metacarpophalangeal Joint Arthroplasty for Osteoarthritis
Chapter 49: Revision of Subsided Pyrocarbon Implants

Section XVII: Problems with Interphalangeal Osteoarthritis
Chapter 50: Failed Silicone Proximal Interphalangeal Joint Arthroplasty
Chapter 51: Stiffness in Interphalangeal Osteoarthritis
Chapter 52: Contracture in Interphalangeal Osteoarthritis
Chapter 53: Proximal Interphalangeal Post-Traumatic Osteoarthritis

Section XVIII: Problems with Infection in the Thumbs, Fingers, and Wrist
Chapter 54: Inadequate Drainage of Infection in the Thumbs, Fingers, and Wrist
Chapter 55: Salvage of Osteomyelitis of the Distal Radius after Internal Fixation of an Open Fracture
Chapter 56: Infectious Destruction of the Wrist

Section XIX: Problems with Replantation
Chapter 57: Stiffness After Replantation
Chapter 58: Failed Replant: Ray Amputation
Chapter 59: Failed Replant: Toe-to-Hand Reconstruction
Chapter 60: Failed Replant: Great Toe Transfer
Chapter 61: Failed Replant: Failed Degloving Revascularization
Chapter 62: Attempted Replantation
Chapter 63: Nonunion Following Digital Replant
Chapter 64: Nonunion Following Major Replant
Chapter 65: Painful Finger after Bony Nonunion
Chapter 66: Stiff Fingers and Elbow After Replantation
Chapter 67: Poor Grip or Weak Motion After Replantation

Section XX: Problems with Complex Regional Pain Syndromes
Chapter 68: Complex Regional Pain Syndrome

Section XXI: Problems with Scaphoid Fractures
Chapter 69: Nonunion of the Proximal Pole
Chapter 70: Scaphoid Nonunion with Avascular Necrosis
Chapter 71: Scaphoid Revision Nonunion
Chapter 72: Scaphoid Nonunion
Chapter 73: Scaphoid Implant Malplacement

Section XXII: Problems with Scapholunate Instability
Chapter 74: Failed Scapholunate Ligament Repair: Acute
Chapter 75: Failed Reconstruction with Tenodesis: Chronic

Section XXIII: Problems with the Lunotriquetral Joint
Chapter 76: Problems with the Lunotriquetral Joint After Ligament Repair
Chapter 77: Problems with Lunotriquetral Fusion

Section XXIV: Problems after Partial Wrist Fusions
Chapter 78: Complications of Partial Wrist Fusion
Chapter 79: Dislocated Lunar Facet Fragments and Radioscapholunate Arthrodesis

Section XXV: Total Wrist Arthroplasty
Chapter 80: Implant Migration After Total Wrist Arthroplasty

Section XXVI: Problems with Triangular Fibrocartilage Complex Tears
Chapter 81: Pain After Triangular Fibrocartilage Complex Tears
Chapter 82: Persistent Instability After Triangular Fibrocartilage Complex Tears

Section XXVII: Problems with Ulnar Impaction
Chapter 83: Arthroscopic Treatment of Ulnar Impaction
Chapter 84: Nonunion After Ulnar Shortening

**Section XXVIII: Problems with Distal Radial Ulnar Joint**
Chapter 85: Failed Bowers Arthroplasty: Ulnar Head Prosthesis
Chapter 86: Dislocated Ulnar Head Prosthesis

**Section XXIX: Problems with Distal Radius Fractures**
Chapter 87: Distal Radius Fracture Malunion
Chapter 88: Distal Radius Fracture Nonunion
Chapter 89: Troublesome Lunate Facet
Chapter 90: Troublesome Lunate Facet: Treatment with Microvascular Techniques