

Contents

Foreword, ix

Mike Szekeres

Preface, xi

Christine M. Wietlisbach

PART ONE: FUNDAMENTALS

1. Fundamentals: Hand Therapy Concepts and Treatment Techniques, 1
Cynthia Cooper

2. Evidence-Based Practice: The Basic Tools, 15
Michael John Borst

3. Functional Anatomy, 21
Lori DeMott and Sharon R. Flinn

4. Evaluation of the Hand and Upper Extremity, 46
Linda J. Klein

5. Assessment of Functional Outcomes, 66
Bridget Hill and Andrea Bialocerkowski

6. Hand Coordination, 78
Cynthia Cooper and Colleen West

7. Orthoses: Essential Concepts, 89
Deborah A. Schwartz

8. Fundamentals of Edema Management, 100
Aida E. Olvera-Dyckes

9. Physical Agent Modalities in the Hand Clinic, 104
Kendyl Brock Hunter

10. Tissue-Specific Exercises for the Upper Extremity, 114
Peggy Stein and Lori Falkel

11. Clinical Reasoning and Problem Solving in Upper Extremity Rehabilitation, 130
Saba Kamal

12. Fundamentals of Client–Therapist Rapport, 133
Goldie Eder and Renee B. Lonner

13. Facilitating Adherence to the Plan of Care, 138
Lisa O'Brien and Luke Steven Robinson

14. Narratives in Hand Therapy, 143
Cynthia Cooper

15. Utilization of Therapy Assistants in Hand Therapy, 149
Luella Grangaard

16. Some Thoughts on Professionalism, 152
Luella Grangaard

PART TWO: CLINICAL REASONING AND TREATMENT GUIDELINES FOR COMMON DIAGNOSIS OF THE UPPER EXTREMITY

17. Wound Care, 154
Christine M. Wietlisbach

18. Common Shoulder Diagnoses, 167
Mark Butler

19. Elbow Diagnoses, 203
Carol Page

20. Peripheral Nerve Problems, 219
Anne Michelle Moscony

21. Wrist Fractures, 254
Emily Seeley, Sarah Baier, and Mike Szekeres

22. Wrist Instabilities, 270
Sarah Mee

23. Hand Fractures, 291
Melissa J. Hirth, Angela C. Chu, and Julianne Wright Howell

24. Elbow, Wrist, and Hand Tendinopathies, 311
Kathryn S. McQueen and Tim Pemberton

25. Finger Sprains and Deformities, 320
Gary Solomon

26. Extensor Tendon Injury, 338
Linda J. Klein

27. Flexor Tendon Injury, 350
Linda J. Klein

28. Tendon and Nerve Transfers, 365
Deborah A. Schwartz

29. Arthritis, 384
Cynthia Clare Ivy
30. Burns, 404
Lisa Deshaies and Maura Ann Walsh
31. Infections, 416
Louann Gulick Gaub
32. Dupuytren Contracture, 425
Steven Kempton, Mojca Herman, and Prosper Benhaim
33. Ganglions and Tumors of the Hand and Wrist, 436
Julie Pal and Jackie Wallman
34. Traumatic Hand Injury Involving Multiple Structures, 444
Paige E. Kurtz
35. The Stiff Hand, 460
Susan Weiss
36. The Neurological Hand, 474
Gillian Porter and Lara Taggart
37. Complex Regional Pain Syndrome, 490
Susan W. Stralka
38. Chemotherapy-Induced Peripheral Neuropathy, 495
Cynthia Cooper
39. Clients With Functional Somatic Syndromes or Challenging Behavior, 501
Joel Moorhead
- Glossary, 508**
- Index, 525**