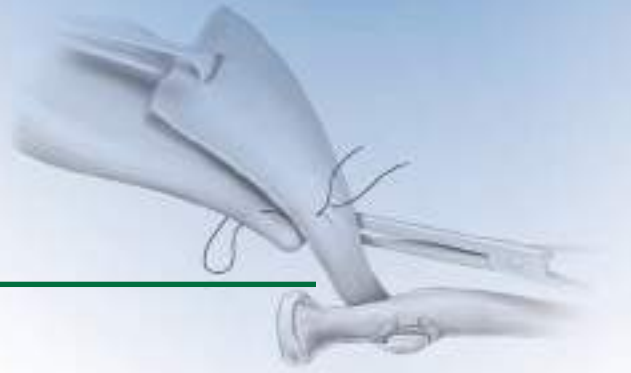


Contents



Contributors v

Foreword ix

Series Preface xi

Acknowledgments xiii

PART I Exposures 1

CHAPTER 1

Exposures of the Upper Extremity: Humerus, Elbow, Forearm 1

Bernard F. Morrey and Matthew C. Morrey

1A Surgical Exposures of the Humerus 2

1B The Elbow 12

1C The Forearm 45

PART II Fractures and Trauma 59

CHAPTER 2

Closed Reduction and Percutaneous Pinning of Supracondylar Fractures of the Distal Humerus in the Child 59

Amy L. McIntosh

CHAPTER 3

Olecranon Fractures 67

Julie E. Adams

CHAPTER 4

Management of Olecranon Nonunion 73

Bernard F. Morrey

CHAPTER 5

Fracture of the Radial Head 81

Bernard F. Morrey

CHAPTER 6	
Radial Head Prosthesis	95
Bernard F. Morrey	
CHAPTER 7	
Fractures of the Coronoid	105
Bernard F. Morrey	
CHAPTER 8	
Distal Humerus Fractures	117
Joaquin Sanchez-Sotelo	
CHAPTER 9	
Capitellum and Trochlea Fractures	127
David Ring and Jesse B. Jupiter	
CHAPTER 10	
Osteosynthesis for Nonunion of the Distal Humerus	139
Joaquin Sanchez-Sotelo	
CHAPTER 11	
Distal Humeral Osteotomy	147
Thomas Duquin and Scott P. Steinmann	
CHAPTER 12	
Articulated External Fixators	157
Bernard F. Morrey	
PART III Complications of Trauma	171
CHAPTER 13	
Managing Simple Wound Problems	171
Steven Moran, Nho V. (Bill) Tran, and Bernard F. Morrey	
CHAPTER 14	
Surgical Decompression of Acute Compartment Syndrome of the Arm and Forearm	179
Bassem T. Elhassan	
CHAPTER 15	
Arthroscopic Management of the Stiff Elbow	187
Andrew Tarleton, Michael J. O'Brien, and Felix H. Savoie III	
CHAPTER 16	
Osteochondritis Dissecans of the Elbow	203
Scott A. Tucker, Felix H. Savoie III, and Michael J. O'Brien	

- CHAPTER 17
Nerve Decompression 217
Robert J. Spinner

PART IV Soft Tissue Injuries and Management 237

- CHAPTER 18
Elbow Plica 237
Erich Gauger and Julie E. Adams

- CHAPTER 19
Capsular Release for Flexion Contracture: The Column Procedure 243
Bernard F. Morrey and Pierre Mansat

- CHAPTER 20
Ulnohumeral Arthroplasty 253
Bernard F. Morrey and Samuel A. Antuña

- CHAPTER 21
Repair of Distal Biceps Tendon Rupture 267
Bernard F. Morrey

- CHAPTER 22
Delayed Reconstruction of Distal Biceps Tendon Ruptures 291
Bernard F. Morrey and Mark Morrey

- CHAPTER 23
Triceps Tendon Repair and Reconstruction 301
Bernard F. Morrey

- CHAPTER 24
Lateral Epicondylitis 315
Robert P. Nirschl and Bernard F. Morrey

- CHAPTER 25
Medial Epicondylitis/Tendinosis 327
Robert P. Nirschl

- CHAPTER 26
Percutaneous Ultrasound Tenotomy for Epicondylitis 339
Bernard F. Morrey

- CHAPTER 27
Treatment of Medial Ulnar Collateral Ligament Injuries in Athletes 347
Christopher S. Ahmad and Neal S. ElAttrache

CHAPTER 28

Surgical Techniques for Failed Medial Ulnar Collateral Ligament Reconstruction 363

Joshua S. Dines, Neal S. Elattrache, and Bernard F. Morrey

28A Failed Anterior Bundle Reconstruction 363

28B Reconstruction of the Posterior Bundle of the MCL 371

CHAPTER 29

Surgical Repair and Reconstruction of the Lateral Ulnar Collateral Ligament 375

Bernard F. Morrey and Joaquin Sanchez-Sotelo

PART V Nonreplacement and Reconstructive Surgery 389

CHAPTER 30

Anconeus Arthroplasty 389

Bernard F. Morrey and Alberto G. Schneeberger

CHAPTER 31

Interposition Arthroplasty of the Elbow 405

Bernard F. Morrey

CHAPTER 32

Elbow Arthrodesis 417

Anil K. Dutta

PART VI Joint Replacement Arthroplasty 429

CHAPTER 33

Surgical Technique for Capitellar Replacement 429

Bernard F. Morrey

CHAPTER 34

Hemiarthroplasty of the Distal Humerus 439

Rick F. Papandrea

CHAPTER 35

Convertible Total Elbow Replacements 449

Graham J.W. King, Shawn O'Driscoll, and Ken Yamaguchi

CHAPTER 36

Linked Elbow Replacement 467

Bernard F. Morrey

36A Coonrad/Morrey Total Elbow: Surgical Technique 467

36B Nexel Elbow Replacement Technique 481

CHAPTER 37

Total Elbow Replacement for Acute Fracture and Distal Humeral
Nonunion: Triceps Attachment Maintained 491

Bernard F. Morrey, Joaquin Sanchez-Sotelo, and Mark Morrey

CHAPTER 38

Revision with Adequate Bone 507

Bernard F. Morrey, Mark Morrey, and Joaquin Sanchez-Sotelo

CHAPTER 39

Revision Requiring Osseous Augmentation 523

Bernard F. Morrey, Mark Morrey, and Joaquin Sanchez-Sotelo

39A Strut Graft Augmentation 524

39B Impaction Grafting 532

39C Allograft Prosthetic Composite 537

PART VII Postoperative Management 553

CHAPTER 40

Postoperative Treatment Adjuncts 553

Bernard F. Morrey

40A Braces 553

40B Continuous Passive Motion (CPM) 558

40C Examination Under Anesthesia 560

Index 565