Table of Contents:

PART I Fundamentals and General Considerations
1 Phylogeny
2 Anatomy of the Elbow Joint
3 Biomechanics of the Elbow
4 History and Physical Examination of the Elbow
5 Functional Evaluation of the Elbow
6 Radiography of the Elbow
7 Computed Tomography of the Elbow
8 Magnetic Resonance Imaging of the Elbow
9 Ultrasound Imaging of the Elbow
10 Extensile Surgical Exposures: Humerus
11 Surgical Exposures of the Elbow
12 Surgical Exposures of the Forearm
13 General and Regional Anesthesia and Postoperative Pain Control
14 Principles of Elbow Rehabilitation
15 Continuous Passive Motion
16 Splints and Bracing of the Elbow
17 Examination Under Anesthesia

PART II Elbow Arthroscopy
18 General Principles of Elbow Arthroscopy
19 Arthroscopic Management of Lateral Epicondylitis
20 Arthroscopic Management of Elbow Plica and Loose Bodies
21 Arthroscopy for Arthritis of the Elbow
22 Arthroscopic Management of Osteochondritis Dissecans of the Capitellum
23 Complications of Elbow Arthroscopy
24 Advanced and Future Trends in Elbow Arthroscopy

PART III The Child and Adolescent Elbow
25 The Pediatric Elbow: Anatomy and Radiographic Assessment
26 Congenital Abnormalities of the Elbow
27 Supracondylar Fractures of the Elbow in Children
28 Complications of Supracondylar Fractures of the Elbow
29 Physeal Fractures of the Elbow
30 Proximal Radius Fractures in Children
31 Olecranon and Monteggia Fractures in Children
32 Pediatric Elbow Dislocations
33 Osteochondritis Dissecans
34 Elbow Stiffness in Children and Adolescents

PART IV Acute Trauma
35 Simple Elbow Dislocation
36 Complex Elbow Instability: General Principles
37 Radial Head Fracture: General Considerations, Conservative Treatment, and Radial Head Resection
38 Radial Head Fracture: Open Reduction and Internal Fixation
39 Prosthetic Radial Head Replacement
40 Radial Head Fracture: Management of Complications After Treatment
41 Essex-Lopresti Injuries
42 Olecranon Fractures and Monteggia Fractures
43 Coronoid Fractures
44 Low Transcondylar Fractures of the Distal Humerus
45 Distal Humerus Fractures: Fractures of the Columns With Articular Involvement
46 Distal Humerus Fractures: Isolated Fracture of the Capitellum
47 Distal Humerus Fractures: Shear Fractures of the Humeral Articular Surface
48 Hinged External Fixators of the Elbow

PART V Complications of Trauma and Elbow Stiffness
49 Persistent Elbow Instability
50 Nonunion and Malunion of Distal Humerus Fractures
51 Nonunion of the Olecranon and Proximal Ulna
52 Chronic Unreduced Elbow Dislocation
53 Elbow Stiffness: Basic Science and Overview
54 Extrinsic Contracture: Lateral and Medial Column Procedures
55 Elbow Stiffness: Arthroscopic Contracture Release
56 Elbow Stiffness: Rehabilitation After Surgical Contracture Release
57 Heterotopic Ossification
58 Healing and Wound Problems

PART VI Sports and Soft Tissue Injuries
59 Lateral Epicondylitis/Tendinosis
60 Percutaneous Ultrasound Tenotomy Treatment of Epicondylitis
61 Medial Epicondylitis/Tendinosis
62 Managing Surgical Failure in Tennis Elbow
63 Elbow Tendinopathies: Acute Distal Biceps Tendon Ruptures
64 Elbow Tendinopathies: Chronic Biceps Ruptures
65 Elbow Tendinopathies: Triceps Tendon Rupture and Snapping
66 The Thrower's Elbow
67 Articular Injuries in the Athlete
68 Medial Collateral Ligament Reconstruction: MCL Insufficiency
69 Ulnar Collateral Ligament Reconstruction: Complications and Salvage
70 Medial Collateral Ligament Reconstruction
71 Lateral Collateral Ligament Insufficiency
72 Nerve Entrapment Syndromes
73 Atypical Pain Presentation in the Elbow
33-1 Treatment of Osteochondritis Desiccans Elbow Lesions
33-2 Osteochondral Allograft Transfer for Osteochondritis Dissecans

PART IV Acute Trauma
39 Prosthetic Radial Head Replacement
39-1 rHead LATERAL Implant
39-2 rHead RECON Bipolar Replacement
39-3 rHead Extended Stem Replacement
43 Coronoid Fractures
43-1 Lateral Approach to the Elbow for Radial Head Fixationor Replacement and Coronoid Fixation
45 Distal Humerus Fractures: Fractures of the Columns With Articular Involvement
45-1 Open Reduction and Internal Fixation for Distal Humerus Fractures
48 Hinged External Fixators of the Elbow
48-1 Application of the Dynamic Joint Distractor

PART V Complications of Trauma and Elbow Stiffness
49 Persistent Elbow Instability
49-1 Reconstructive Options for Persistent Elbow Instability
49-2 Allograft Reconstruction of the Coronoid
50 Nonunion and Malunion of Distal Humerus Fractures
50-1 Open Reduction and Internal Fixation for Distal Humerus Nonunion
54 Extrinsic Contracture: Lateral and Medial Column Procedures
54-1 Open Contracture Release: Medial and Lateral Column
55 Elbow Stiffness: Arthroscopic Contracture Release
55-1 Arthroscopic Osteocapsular Arthroplasty for Primary Osteoarthritis

PART VI Sports and Soft Tissue Injuries
60 Percutaneous Ultrasound Tenotomy Treatment of Epicondylitis
60-1 Percutaneous Ultrasonic Tenotomy
63 Elbow Tendinopathies: Acute Distal Biceps Tendon Ruptures
63-1 Mayo Two-Incision Biceps Tendon Repair
67 Articular Injuries in the Athlete
67-1 Capitellar Osteochondritis Dissecans Lesion Treated With Microfracture

no videos in Part VII

PART VIII Joint Replacement Arthroplasty
87 Radiocapitellar Prosthetic Arthroplasty for Isolated Radiocapitellar Arthritis
87-1 UNI_Elbow Radio-Capitellum Replacement
90 Linked Elbow Arthroplasty: Rationale, Design Concept
90-1 Coonrad-Morrey Total Elbow Arthroplasty
90-2 Highlights of the Zimmer Nexel Total Elbow Surgical Procedure
92 Distal Humeral Fractures
92-1 Total Elbow Arthroplasty for Distal Humerus Fractures
93 Total Elbow Arthroplasty for Distal Humerus Nonunion
93-1 Total Elbow Arthroplasty for Distal Humerus Nonunions

PART IX Complications and Salvage of Failed Arthroplasty
104 Isolated Polyethylene Wear and Elbow Replacement
104-1 Fluoroscopic Examination for Bushing Wear
108 Revision of Failed Total Elbow Arthroplasty With Osseous Deficiency: Impaction Grafting
108-1 Revision Techniques for Total Elbow Arthroplasty
109 Revision of Failed Total Elbow Arthroplasty With Osseous Deficiency: Humeral Replacement and Allograft Prosthetic Composite Reconstruction
109-1 Allograft Prosthetic Composite Reconstruction

PART X Nonprosthetic Alternatives and Salvage Procedures
110 Synovectomy of the Elbow
110-1 Arthroscopic Synovectomy of the Elbow
113 Anconeus Interposition Arthroplasty
113-1 Anconeus Interposition Arthroplasty
114 Interposition Arthroplasty of the Elbow
114-1 Interposition Arthroplasty With Achilles Tendon Allograft and the Application of the Dynamic Joint Distractor