

Contents

Introduction to the Shoulder	xix
1. Biomechanics of the Shoulder	1
Jacquelin Perry	
2. Muscle Control of the Shoulder	17
Jacquelin Perry	
3. Surgical Approaches to the Shoulder	35
Carter R. Rowe	
4. Examination of the Shoulder	53
Carter R. Rowe	
5. Investigative Techniques	65
Radiologic Techniques	67
Daniel I. Rosenthal	
Shoulder Arthroscopy and Arthroscopic Surgery	79
Bertram Zarins and John J. Boyle	
Electrodiagnostic Studies	93
Robert D. Leffert	
6. Subacromial Syndromes	103
Tendinitis, Bursitis, Impingement, "Snapping" Scapula, and Calcific Tendinitis	105
Carter R. Rowe	
Tendon Ruptures	131
Robert D. Leffert and Carter R. Rowe	
Idiopathic Chronic Adhesive Capsulitis ("Frozen Shoulder")	155
Carter R. Rowe and Robert D. Leffert	
7. Dislocations of the Shoulder	165
Carter R. Rowe	
8. Acromioclavicular and Sternoclavicular Joints	293
Carter R. Rowe	

9. Fractures of the Adult Shoulder	329
The Glenohumeral Joint	331
Carter R. Rowe and Mark Colville	
The Clavicle	359
Carter R. Rowe	
The Scapula	373
Carter R. Rowe	
10. Fractures and Dislocations About the Shoulder in Children	383
Mark C. Gebhardt	
11. Shoulder Injuries in Sports	411
Bertram Zarins and Chadwick C. Prodromos	
12. Nerve Injuries About the Shoulder	435
Robert D. Leffert	
13. Shoulder Problems in Children	455
Michael G. Ehrlich	
14. Arthritis of the Shoulder	471
John A. Mills	
15. Total Shoulder Arthroplasty	481
Thomas S. Thornhill and William P. Barrett	
16. Advances in Arthrodesis of the Shoulder	507
Carter R. Rowe and Robert D. Leffert	
17. The Role of Physical Therapy in Rehabilitation of the Shoulder	521
Bette Ann Harris and Robert D. Leffert	
18. Shoulder Infections	539
Principles of Antibiotic Therapy	541
Newton E. Hyslop, Jr.	
The Management of Common Shoulder Infections	551
Richard A. Marder and Thomas Bilko	
19. The Diagnosis and Management of Tumors About the Shoulder	565
Mark C. Gebhardt, Henry J. Mankin,	
Alan L. Schiller, and Daniel I. Rosenthal	
20. Evaluation of the Shoulder	631
Carter R. Rowe	
21. Unusual Shoulder Conditions	639
Carter R. Rowe	
Index	655