



Table of Contents


Section 1: Trauma

1	Initial Management and Classification of Pelvic Fractures	3	John C. Kurylo Paul Tornetta III
2	Techniques of Anterior Pelvic Fixation	19	Brian H. Mullis
3	Posterior Pelvic Ring Injuries: When to Perform Open Reduction and Internal Fixation	27	Clifford B. Jones
4	Surgical Techniques for Complex Proximal Tibial Fractures	39	Jason A. Lowe Nirmal Tejwani Brad J. Yoo Philip R. Wolinsky
5	Staged Treatment and Associated Complications of Pilon Fractures	53	Frank A. Liporace Samir Mehta Anthony S. Rhorer Richard S. Yoon Mark C. Reilly
 6	Scaphoid Fractures: What's Hot, What's Not	71	William B. Geissler Julie E. Adams Randy R. Bindra William D. Lanzinger David J. Slutsky

Section 2: Shoulder

7	Surgical Anatomy of the Shoulder	87	Peter J. Millett Olivier A.J. van der Meijden Trevor Gaskill, MD
8	Decision Making in Massive Rotator Cuff Tears	97	Stephan G. Pill Jason Phillips Michael J. Kissenberth Richard J. Hawkins
9	The Role of the Biceps Tendon in Massive Rotator Cuff Tears	113	Stephan G. Pill Gilles Walch Richard J. Hawkins Michael J. Kissenberth
 10	Arthroscopic Repair Techniques for Massive Rotator Cuff Tears	121	Jeffrey S. Abrams Frederick S. Song

Symposium

- 11 How to Minimize Complications in Shoulder Instability and Rotator Cuff Surgery 131 Andrew S. Neviasser
Evan L. Flatow
Reza Omid
Ken Yamaguchi
William N. Levine
-  12 Massive Rotator Cuff Tears Without Arthropathy: When to Consider Reverse Shoulder Arthroplasty 143 Kevin L. Harreld
Brian L. Puskas
Mark A. Frankle
- 13 Complications of the Reverse Prosthesis: Prevention and Treatment 157 Jesse Affonso
Gregory P. Nicholson
Mark A. Frankle
Gilles Walch
Christian Gerber
Juan Garzon-Muvdi
Edward G. McFarland

Symposium




- 14 How to Minimize Complications in Acromioclavicular Joint and Clavicle Surgery 169 Stephanie H. Hsu
Christopher S. Ahmad
Patrick D.G. Henry
Michael D. McKee
William N. Levine
- 15 MRI and Arthroscopy Correlations of the Shoulder: A Case-Based Approach 185 Stephen S. Burkhart
Timothy G. Sanders
Patrick J. Denard
Billy K. Parsley

Section 3: Elbow

- 16 Distal Humeral Fractures: Role of Internal Fixation and Elbow Arthroplasty 203 Joaquin Sanchez-Sotelo
- 17 Ligament Injury and the Use of Hinged External Fixators at the Elbow 215 Bernard F. Morrey
- 18 Complex Fractures of the Proximal Ulna: The Critical Importance of the Coronoid Fragment 227 Robbin C. McKee
Michael D. McKee
- 19 MRI and Arthroscopy Correlations of the Elbow: A Case-Based Approach 235 Geoffrey D. Abrams
David W. Stoller
Marc R. Safran


Section 4: Adult Reconstruction: Hip


Symposium

- | | | | |
|--|---|-----|---|
| 20 | New Frontiers in Cartilage Imaging of the Hip | 253 | Paul E. Beaulé
Young-Jo Kim
Kawan S. Rakhra
David Stelzeneder
Thomas D. Brown |
|  21 | Pathomorphology and Treatment of Femoroacetabular Impingement | 263 | Frank M. Klenke
Klaus A. Siebenrock |
| 22 | Open Surgical Dislocation for the Treatment of Femoroacetabular Impingement: Past, Present and Future | 273 | Christopher L. Peters
Benjamin M. Stronach
Christopher E. Pelt
Jill A. Erickson |
|  23 | Arthroscopic Management of Hip Pathomorphology | 287 | Christopher M. Larson |
| 24 | Approaches for Revision Total Hip Replacement | 295 | William Jiranek |
|  25 | How to Do a Revision Total Hip Arthroplasty: Revision of the Acetabulum | 303 | Scott M. Sporer |
| 26 | Femoral Fixation in Revision Total Hip Arthroplasty | 313 | Curtis W. Hartman
Kevin L. Garvin |
| 27 | MRI and Arthroscopy Correlations of the Hip: A Case-Based Approach | 327 | David A. McCall
Marc R. Safran |

Section 5: Adult Reconstruction: Knee

Symposium


- | | | | |
|--|--|-----|---|
|  28 | Current Controversies in Partial Knee Arthroplasty | 347 | Adolph V. Lombardi Jr
Keith R. Berend
Michael E. Berend
Craig J. Della Valle
Gerard A. Engh
Wolfgang Fitz
Jason M. Hurst
Riyaz H. Jinnah
Jess H. Lonner
William B. Macaulay
John A. Repicci
Giles R. Scuderi |
| 29 | Current and Innovative Pain Management Techniques in Total Knee Arthroplasty | 383 | David F. Dalury
Jay R. Lieberman
Steven J. MacDonald |

30	Multimodal Pain Management With Peripheral Nerve Blocks for Total Knee Arthroplasty	389	Michael R. Pagnotto Mark W. Pagnano
 31	Complications After Total Knee Arthroplasty: How to Manage Patients With Osteolysis	397	Giles R. Scuderi
32	Evaluation and Management of Complications of the Extensor Mechanism	405	Michael E. Berend
33	Infection Following Total Knee Arthroplasty: Prevention and Management	411	Kevin L. Garvin Beau S. Konigsberg

Section 6: Foot and Ankle

 34	Charcot Foot: A Surgical Algorithm	423	Michael S. Pinzur Vincent James Sammarco Dane K. Wukich
---	------------------------------------	-----	---


Section 7: Spine

35	Advanced Techniques in Cervical Spine Surgery	441	Wellington K. Hsu
 36	Cervical Spine Surgery: Anterior Microsurgery	451	Alan Hilibrand Jeremy S. Smith
37	Cervical Spine Surgery: Cervical Laminoplasty	461	Mark M. Mikhael Christopher F. Wolf Jeffrey C. Wang

Symposium

38	Patient Evaluation and Clinical Assessment of Adult Spinal Deformity	469	Adam L. Wollowick Steven D. Glassman Joseph H. Perra Frank J. Schwab
----	--	-----	---

Symposium

 39	Pediatric Spinal Deformity: What Every Orthopaedic Surgeon Needs to Know	481	Paul D. Sponseller Behrooz A. Akbarnia Lawrence G. Lenke Adam L. Wollowick
40	Spine Problems in Young Athletes	499	Daniel J. Sucato Lyle J. Micheli A. Reed Estes Vernon T. Tolo

Section 8: Sports Medicine

- | | | | |
|----|---|-----|---|
| 41 | Diagnosis and Management of Patients With Instability of the Knee | 515 | Kelly G. Vince |
| 42 | MRI-Arthroscopy Correlation: The Knee | 525 | Matthew D. Milewski
Timothy G. Sanders
Mark D. Miller |

Section 9: Orthopaedic Medicine

Symposium

- | | | | |
|----|--|-----|--|
| 43 | Imaging Interpretation of Oncologic Musculoskeletal Conditions | 541 | Carol D. Morris
Theodore W. Parsons III
Joseph H. Schwab
David M. Panicek |
| 44 | Evaluation of the Patient Presenting With a Malignant Spinal Tumor | 553 | Peter S. Rose
Joseph H. Schwab
Jacob M. Buchowski
Joshua C. Patt |

Section 10: The Practice of Orthopaedics

- | | | | |
|----|--|-----|--|
| 45 | Communication for All Your Patients | 569 | Valerae O. Lewis
Toni McLaurin
Hillard T. Spencer
Norman Y. Otsuka
Ramon L. Jimenez |
| 46 | Practical Research Methods for Orthopaedic Surgeons | 581 | Adam S. Dowrick
Paul Tornetta III
William T. Obrebskey
Douglas R. Dirschl
Mohit Bhandari |
| 47 | Maintenance of Certification and Keys to Passing the Recertification Examination | 587 | Gregory Katz
Joseph A. Bosco III |
| 48 | Real-World Solutions for Orthopaedic On-Call Problems | 595 | Samuel G. Agnew
Robert H. Blotter
Paul K. Kosmatka
Guy J. Rudin |
| | Index | 607 | |