

# Reverse Shoulder Arthroplasty for Proximal Humerus Fracture:

## Preoperative Assessment

- Complete history and physical examination
- Detailed neurovascular examination (note axillary nerve function by setting the deltoid)
  - When function is unclear: repeat exam after several weeks, or Electromyography (EMG) is helpful
- Imaging
  - Grashey, Axillary, and Scapular-Y radiographs
  - Computed tomography with or without 3-dimensional reconstruction may provide more information if deciding between RSA and ORIF. May identify additional pathology such as a concomitant glenoid fracture.
  - Magnetic resonance imaging has little additional benefit
- Fracture Classification
  - Neer Classification (29) has low inter and intraobserver reliability (91), but is primary clinical classification system
  - Arbeitsgemeinschaft für Osteosynthesefragen (AO) Classification
- Initial Treatment
  - Sling or hanging arm cast
  - Non weight bearing affected extremity

# Proximal Humerus Fractures Evaluation And Management

**Frederick A. Matsen, Frank A.  
Cordasco, John W. Sperling, Steven B.  
Lippitt**

## **Proximal Humerus Fractures Evaluation And Management:**

**Proximal Humerus Fractures** Lynn Crosby,Robert Neviasser,2014-11-30      **Complex Fractures of the Limbs E.**

Carlos Rodríguez-Merchán,Juan Carlos Rubio-Suárez,2014-04-17 This book provides up to date guidance on the diagnosis and treatment of the most important complex fractures of the limbs including fractures of the proximal and distal humerus fractures and dislocations of the elbow fractures of the distal radius pelvis acetabulum distal femur proximal tibia tibial pilon calcaneus and osteoporotic knee fractures The most complex articular fractures are analyzed soft tissue coverage is reviewed and the management of open fractures and nonunions is described and illustrated Other chapters consider damage control management and immediate bone fixation in the polytrauma patient skeletal reconstruction and rehabilitation of complex fractures of the limbs The book offers guidance to orthopaedic surgeons on which treatment options afford the best preservation of fully functional joints around the fractured bone With this goal in mind the authors have developed strategies that can restore full articular function of the limbs in both the short and the long term Complex Fractures of the Limbs will be an invaluable aid to orthopaedic surgeons in treating patients with this very common and important clinical problem

**Fundamentals of the Shoulder** Gazi Huri,Mustafa Özkan,Kerem Bilsel,2022-04-22 This book comprehensively covers both basic and clinical aspects of the shoulder from its anatomy and biomechanics to the diagnosis and treatment of a broad range of shoulder disorders Designed as a practical and richly illustrated reference guide it provides the reader with the essentials needed to evaluate and treat shoulder injuries including radiologic assessments rehabilitative techniques and surgical procedures both open and arthroscopic It includes extensive coverage of the anatomy and pathology while clinical topics covered include fractures around the shoulder joint sport injuries and arthroplasty Written by an international team of experts who share tips pearls and pitfalls as well as best practices from their own experience the book will be of interest to orthopedic surgeons physical therapists rehabilitation specialists and biomechanists alike      Fractures of the Shoulder

Girdle William N. Levine,Guido Marra,2016-04-19 This title offers guidelines to avoid complications in the diagnosis management repair and rehabilitation of common complex and multifaceted fractures of the shoulder girdle It emphasizes critical issues in clinical and radiographic evaluation for optimal surgical outcomes The text is also illustrated to clarify diagnostic surgical and therap      *Mastering Orthopedic Techniques: Intra-Articular Fractures* Rajesh Malhotra,2013-04-30 Intra articular fractures occur on the surface of a bone that meets a joint with another bone They are more serious than fractures that do not involve a joint space because they are associated with much greater incidence of long term complications MediVisuals Inc Part of the Mastering Orthopedic Techniques series this comprehensive manual is a complete guide to the surgical management of intra articular fractures Beginning with an introduction providing an overview of articular fractures the following chapters provide a how to style commentary joint by joint and by fracture type Each chapter provides an understanding of different injuries practical classifications challenges in diagnosis and the reasons why one

surgical option may be more appropriate than another for a particular fracture type Each surgical option is described in detail with drawings clinical photos surgical techniques equipment needed tricks and techniques for reduction and fixation and an overview of postoperative management complications and results Key points Comprehensive guide to surgical management of intra articular fractures Provides how to style commentary by joint and fracture type Includes nearly 1200 full colour drawings and clinical photos Written by an internationally recognised editor and author team from Europe the US and Asia

*Shoulder Arthroplasty* Gazi Huri,Filippo Familiari,Young Lae Moon,Mahmut Nedim Doral,Giulio Maria Marcheggiani Muccioli,2019-10-10 This book describes and evaluates techniques and devices used in shoulder arthroplasty with a view to enabling readers to improve their surgical practice After an opening section on basic knowledge including surgical anatomy key issues in total shoulder arthroplasty and reverse total shoulder arthroplasty RTSA are considered in detail Among the topics covered are biomechanics cemented versus cementless humeral fixation the comparative merits of humeral components featuring short stem and stemless designs and of pegged and keeled glenoid components the influence of humeral inclination in RTSA and the avoidance and management of unstable RTSA An entire section is then devoted to the description and illustration of valuable surgical tips and tricks Arthroplasty for acute proximal humerus fractures is considered separately again addressing important aspects of technique and current controversies The book is an outcome of a workshop held by the international Shoulder Club formed at Hacettepe University in Ankara in 2015 with the aim of bringing together leading authorities in the field and young orthopedic surgeons and students from across the world in order to disseminate expertise and exchange ideas

**Atlas of Emergency Imaging from Head-to-Toe** Michael N. Patlas,Douglas S. Katz,Mariano Scaglione,2025-07-26 This new reference work provides a comprehensive and modern approach to the imaging of numerous non traumatic and traumatic emergency conditions affecting the human body It reviews the latest imaging techniques related clinical literature and appropriateness criteria guidelines while also discussing current controversies in the imaging of acutely ill patients The first chapters outline an evidence based approach to imaging interpretation for patients with acute non traumatic and traumatic conditions explain the role of Artificial Intelligence in emergency radiology and offer guidance on when to consult an interventional radiologist in vascular as well as non vascular emergencies The next chapters describe specific applications of Ultrasound Magnetic Resonance Imaging radiography Multi Detector Computed Tomography MDCT and Dual Energy Computed Tomography for the imaging of common and less common acute brain spine thoracic abdominal pelvic and musculoskeletal conditions including the unique challenges of imaging pregnant bariatric and pediatric patients There are two new sections for 2nd edition One section is devoted to imaging of emergency conditions in geriatric patients The second section covers special considerations in emergency imaging including imaging of intimate partner violence and emergencies in transplant patients Written by a group of leading North American and European Emergency and Trauma Radiology experts this book will be of value to emergency and

general radiologists to emergency department physicians and related personnel to obstetricians and gynecologists to general and trauma surgeons as well as trainees in all of these specialties

**Disorders of the Shoulder: Trauma** Joseph P. Iannotti, Gerald R. Williams (Jr.), Joseph D Zuckerman, Anthony Miniaci, 2013-09-16 Of the nearly 8 million shoulder injuries treated annually in the United States almost half are rotator cuff repairs and most of these injuries are treated by orthopedic sports medicine specialists This title covers the full spectrum of shoulder procedures including open and arthroscopic procedures

**The Shoulder E-Book** Charles A. Rockwood, Michael A. Wirth, 2009-01-19 Significantly revised and updated the new edition of this highly regarded reference on the shoulder continues to impress A multitude of leading international authorities 30% new to this 4th edition present today s most comprehensive in depth view of the current state of shoulder practice all in a beautifully illustrated full color 2 volume masterwork They deliver the most up to date coverage of shoulder function and dysfunction along with practical approaches for patient evaluation and balanced discussions of treatment alternatives open and arthroscopic surgical and nonsurgical Greatly expanded and visually enhanced coverage of arthroscopy as well as many new chapters provide expert guidance on the latest minimally invasive approaches New Critical Points summary boxes highlight key technical tips and pearls and two DVDs deliver new videos that demonstrate how to perform open and arthroscopic procedures And now as an Expert Consult title this thoroughly updated 4th edition comes with access to the complete fully searchable contents online as well as videos of arthroscopic procedures from the DVDs enabling you to consult it rapidly from any computer with an Internet connection Includes tips and pearls from leaders in the field as well as their proven and preferred methods Offers scientifically based coverage of shoulder function and dysfunction to aid in the decision making process Provides a balance between open and arthroscopic techniques so you can chose the right procedures for each patient Includes the entire contents of the book online fully searchable as well as procedural videos from the DVDs for quick easy anywhere access Features 30% new expert contributors and new chapters including Effectiveness Evaluation and the Shoulder Revision of Rotator Cuff Problems Management of Complications of Rotator Cuff Surgery Management of Infected Shoulder Prosthesis and others providing you with abundant fresh insights and new approaches Provides new and expanded material on the management of advanced arthritis and CTA infected arthroplasty procedures to manage the stiff shoulder and much more keeping you on the cusp of the newest techniques Offers enhanced coverage of shoulder arthroscopy including basic and advanced techniques and complications for expert advice on all of the latest minimally invasive approaches Devotes an entire new chapter to research frontiers to keep you apprised of what s on the horizon Incorporates Critical Points summary boxes that highlight key technical tips and pearls Uses a new full color design for optimal visual guidance of arthroscopic views and procedures Presents new videos on arthroscopic procedures on 2 DVDs to help you master the latest techniques

*Office-Based Procedures: Part II, An Issue of Primary Care: Clinics in Office Practice, E-Book* Karl T. Clebak, Alexis Reedy-Cooper, 2022-02-15 In this issue guest editors bring their considerable expertise

to this important topic Provides in depth reviews on the latest updates in the field providing actionable insights for clinical practice Presents the latest information on this timely focused topic under the leadership of experienced editors in the field Authors synthesize and distill the latest research and practice guidelines to create these timely topic based reviews

Rockwood and Matsen's The Shoulder E-Book Frederick A. Matsen, Frank A. Cordasco, John W. Sperling, Steven B. Lippitt, 2021-06-12 For 30 years Rockwood and Matsen's The Shoulder has been the definitive leading reference for the evaluation and management of shoulder disorders The 6th Edition continues the tradition of excellence with close oversight by world renowned shoulder surgeon senior editor Frederick A Matsen III along with co editors Frank A Cordasco John W Sperling and expert contributing authors from around the world This comprehensive volume reflects current knowledge and pioneering techniques in its extensively revised and updated text illustrations and procedural videos and features new Opinion Editorials and a new easy to follow organization and layout Shoulder surgeons of all levels as well as residents students therapists and basic scientists will benefit from this must have reference on all aspects of the shoulder Provides how to guidance on the full range of both tried and true and recent surgical techniques including both current arthroscopic methods and the latest approaches in arthroplasty Presents content in a new easy to digest format with a restructured table of contents and an updated chapter layout for faster more intuitive navigation Features 17 new Opinion Editorial chapters authored by key international thought leaders in shoulder and upper limb orthopaedics who were given free rein to discuss a topic of great personal importance Sample topics include Revision Shoulder Arthroplasty Tips to Facilitate Component Removal and Reconstruction and Use and Abuse of the Latarjet Procedure Contains new and updated content on instability repair cuff repair fracture management and infection and outcome assessment as well as greatly expanded coverage of arthroscopy Includes more than 60 updated video clips that provide step by step guidance on key procedures as well as 2 200 full color illustrations x rays scans and intraoperative photographs Offers scientifically based coverage of shoulder function and dysfunction to aid in the decision making process Extends viewpoints on different procedures with expert opinions from international authorities including dissenting and alternative views Enhanced eBook version included with purchase Your enhanced eBook allows you to access all of the text figures and references from the book on a variety of devices **The Shoulder** Charles A. Rockwood, 2009-01-01 DVD **Malunions** Animesh Agarwal, 2020-11-04 Providing a comprehensive presentation of the diagnosis evaluation and management of malunions this generously illustrated text details the current principles surgical techniques and approaches with these challenging clinical situations Since each malunion can be fairly specific the treatment regimens provide guidelines to effectively approach such problems Opening with a brief overview of the principles of malunions the remainder of the book is divided by anatomical area and provides evidence based recommendations case examples and preferred treatment algorithms for both the upper and lower extremities including the clavicle proximal and distal humerus hand and wrist proximal and distal femur and tibia and ankle as well as the pelvis and

acetabulum Specialized circumstances are also discussed including periprosthetics and joint replacement Although not every single treatment option is described for every single anatomical area and type of injury Malunions is an excellent resource for orthopedic trauma surgeons residents and students not only for managing these common yet complex problems but also in preventing malunions from occurring by avoiding surgical causes and mitigating patient risk factors *Fractures in the Elderly* Robert J. Pignolo, Jaimo Ahn, 2018-03-01 Newly revised and updated this book provides geriatricians and orthopedic surgeons with the most vital tools to treat elderly patients who sustain a variety of fractures The text uniquely encompasses the etiologies of fracture in the elderly perioperative management the surgical treatment of common fractures in the elderly as well as rehabilitation and prevention in the older patient It focuses on the most current data and opinions regarding assessment and management of geriatric conditions that predispose the elderly to fracture perioperative complications and subsequent functional decline Unlike any other text experts in both orthopedics and geriatrics review the content of each chapter for readability and appeal to his/her respective discipline making this the physician's ultimate guide to treating elderly patients with injuries *Fractures in the Elderly* Second Edition is a valuable resource for geriatricians orthopedic surgeons physiologists and rehabilitation specialists *Intraarticular Fractures* Mahmut Nedim Doral, Jón Karlsson, John Nyland, Karl Peter Benedetto, 2019-05-15 This superbly illustrated book is a comprehensive and detailed guide to the contemporary arthroscopic management of intraarticular fractures The opening section addresses a variety of basic aspects and key issues including the difficulties posed by intraarticular fractures principles of fixation cartilage healing and rehabilitation The minimally invasive surgical techniques appropriate to individual types of fracture are then fully described and depicted covering fractures of the shoulder and elbow wrist pelvis and hip knee and ankle Guidance is also provided on avoidance and management of complications and rehabilitation The closing section addresses relevant miscellaneous issues including arthroscopic management of temporomandibular joint fractures and extended indications for endoscopy assisted fracture fixation This volume will be of value for both trainee and experienced surgeons when treating patients with these complex fractures *Index Medicus*, 2004 Vols for 1963 include as pt 2 of the Jan issue Medical subject headings

*Master Techniques in Orthopaedic Surgery: Fractures* Donald Wiss, 2012-12-06 Completely updated for its Third Edition *Fractures* the acclaimed *Master Techniques in Orthopaedic Surgery* volume presents the most advanced successful surgical techniques for fractures of the upper extremity lower extremity pelvis and acetabulum The world's foremost surgeons describe their preferred techniques in step by step detail explain the indications and contraindications identify pitfalls and potential complications and offer pearls and tips for improving results The book is thoroughly illustrated with full color sequential surgeon's eye view intraoperative photographs as well as drawings by noted medical illustrators This edition includes ten new chapters total elbow arthroplasty revised shoulder arthroplasty proximal humerus hemiarthroplasty extra articular proximal tibial fractures submuscularis locked plating subtrochanteric femur fractures ankle fractures calcaneal

fractures tibial pilon fractures tibial pilon fractures and staged ORIF Seventeen chapters have been rewritten by new contributing authors and leaders in their field      **Simple and Complex Fractures of the Humerus** Filippo Castoldi, Davide Blonna, Marco Assom, 2014-09-15 The treatment of humeral fractures is a complex issue and the source of considerable controversy In the case of fractures of the proximal humerus early range of motion is the main aim of treatment If a fracture modifies the anatomy or function of the glenohumeral and scapulothoracic joints the surgeon must adhere meticulously to treatment principles in order to ensure a satisfactory outcome Humeral shaft fractures are frequent accounting for 1% to 3% of all fractures in adults while excellent functional results have been reported with nonoperative management open reduction and internal fixation is preferred in specific clinical settings In contrast intra articular fractures of the distal humerus are frequently complex and full functional recovery is difficult to achieve This volume clearly explains the concepts that are central to an understanding of humeral fractures from the proximal to the distal tip Indications for different forms of treatment including nonsurgical are presented in detail and all of the commonly used fixation techniques are described with the help of high quality illustrations Further important aspects such as complications rehabilitation and treatment of sequelae are also fully considered This book will be an invaluable and comprehensive aid for all surgeons who treat humeral fractures      *Campbell's Operative Orthopaedics, E-Book* Frederick M. Azar, S. Terry Canale, James H. Beaty, 2020-12-23 Still the most widely used comprehensive resource in orthopaedic surgery Campbell's Operative Orthopaedics is an essential reference for trainees a trusted clinical tool for practitioners and the gold standard for worldwide orthopaedic practice Unparalleled in scope and depth this 14th Edition contains updated diagnostic images practical guidance on when and how to perform every procedure and rapid access to data in preparation for surgical cases or patient evaluation Drs Frederick M Azar and James H Beaty along with other expert contributors from the world renowned Campbell Clinic have collaborated diligently to ensure that this 4 volume text remains a valuable resource in your practice helping you achieve optimal outcomes with every patient Features evidence based surgical coverage throughout to aid in making informed clinical choices for each patient Covers multiple procedures for all body regions to provide comprehensive coverage Keeps you up to date with even more high quality procedural videos a new chapter on biologics in orthopaedics and expanded and updated content on hip arthroscopy patellofemoral arthritis and more Follows a standard template for every chapter that features highlighted procedural steps high quality illustrations for clear visual guidance and bulleted text Enhanced eBook version included with purchase Your enhanced eBook allows you to access all of the text figures and references from the book on a variety of devices      **Orthopedic Emergencies, An Issue of Emergency Medicine Clinics of North America E-Book** Michael Bond, Arun Sayal, 2019-12-03 This issue of Emergency Medicine Clinics guest edited by Drs Michael C Bond and Arun Sayal focuses on Orthopedic Emergencies This is one of four issues each year selected by the series consulting editor Dr Amal Mattu Articles in this issue include but are not limited to Emergency Medicine Orthopedic Assessment Pearls Pitfalls



Emergency Orthogeriatrics Concepts and Therapeutic Considerations for the Elderly Patient Pediatric Orthopedic Emergencies The Emergent Evaluation and Treatment of Hand and Wrist Injuries The Emergent Evaluation and Treatment of Elbow and Forearm Injuries The Emergent Evaluation and Treatment of Shoulder Clavicle and Humerus Injuries The Emergent Evaluation and Treatment of Pelvic Hip and Femur Injuries The Emergent Evaluation and Treatment of Knee and Leg Injuries The Emergent Evaluation and Treatment of Ankle and Foot injuries The Emergent Evaluation and Treatment of Neck and Back Pain Risk Management and Avoiding Legal Pitfalls in the Emergency Treatment of High Risk Orthopaedic Injuries Sports Medicine Update Mild Traumatic Head Injury Pain Management for Orthopaedic Injuries and Ultrasound Imaging in Orthopaedic Injuries

## Whispering the Techniques of Language: An Mental Journey through **Proximal Humerus Fractures Evaluation And Management**

In a digitally-driven world where displays reign supreme and immediate transmission drowns out the subtleties of language, the profound techniques and emotional nuances concealed within phrases often go unheard. Yet, nestled within the pages of **Proximal Humerus Fractures Evaluation And Management** a interesting literary prize pulsing with fresh thoughts, lies an extraordinary journey waiting to be undertaken. Written by a talented wordsmith, that charming opus encourages viewers on an introspective journey, gently unraveling the veiled truths and profound influence resonating within ab muscles fabric of every word. Within the psychological depths of this poignant review, we can embark upon a honest exploration of the book is core subjects, dissect their interesting publishing design, and succumb to the powerful resonance it evokes serious within the recesses of readers hearts.

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