

orthobullets hand anatomy

orthobullets hand anatomy is a critical topic for healthcare professionals, particularly in orthopedics and rehabilitation. Understanding the intricacies of hand anatomy is essential for diagnosing and treating various hand-related conditions. This article will delve into the various components of the hand, including bones, joints, muscles, and tendons, which are fundamental to its function. We will also discuss common injuries, relevant clinical implications, and the importance of accurate anatomical knowledge for effective treatment. By the end of this article, readers will have a comprehensive understanding of the hand's anatomy as it pertains to orthobullets, making it a valuable resource for practitioners and students alike.

- Introduction to Hand Anatomy
- Bone Structure of the Hand
- Joints of the Hand
- Muscles and Tendons
- Common Hand Injuries and Conditions
- Clinical Relevance of Hand Anatomy
- Conclusion

Introduction to Hand Anatomy

The human hand is a complex structure that allows for a wide range of movements and functions. It comprises multiple bones, joints, muscles, and tendons, all of which work together to enable fine motor skills and grip. Understanding the hand's anatomy is crucial, not only for orthopedic surgeons but also for physiotherapists, occupational therapists, and other healthcare professionals. The hand is divided into three primary sections: the wrist, the palm, and the fingers. Each section contains specific anatomical features that contribute to its overall functionality. This knowledge is vital for diagnosing conditions, planning surgical interventions, and devising rehabilitation strategies. Hence, a detailed exploration of the hand's anatomy is essential for anyone involved in the medical field.

Bone Structure of the Hand

The hand consists of 27 bones, which can be categorized into three main groups: the carpal bones, metacarpal bones, and phalanges. This intricate bony structure provides the

framework for the hand and is fundamental to its movement and strength.

Carpal Bones

The carpal bones are eight small bones that form the wrist. These bones are arranged in two rows, each containing four bones. The carpal bones are as follows:

- Scaphoid
- Lunate
- Triquetrum
- Pisiform
- Trapezium
- Trapezoid
- Capitate
- Hamate

These bones facilitate a wide range of wrist movements, including flexion, extension, and rotation. Their unique shapes and articulations with each other and the forearm bones allow for a high degree of mobility.

Metacarpal Bones

There are five metacarpal bones in the hand, numbered one through five, starting from the thumb. These bones connect the carpal bones to the phalanges and form the framework of the palm. Each metacarpal consists of a base, body, and head, contributing to the hand's ability to grip and manipulate objects.

Phalanges

The fingers contain a total of 14 phalanges, with three in each finger (proximal, middle, and distal) and two in the thumb (proximal and distal). This arrangement allows for intricate movements and dexterity in the fingers, essential for tasks such as writing, typing, and grasping.

Joints of the Hand

The joints of the hand are critical for its functionality, allowing for various movements. Each joint has a distinct structure and range of motion, contributing to the overall dexterity of the hand.

Wrist Joint

The wrist joint, also known as the radiocarpal joint, is formed by the articulation of the distal end of the radius and the first row of carpal bones. This joint allows for flexion, extension, radial and ulnar deviation.

Carpometacarpal (CMC) Joints

The CMC joints connect the carpal bones to the bases of the metacarpal bones. The thumb's CMC joint is unique, allowing for opposition, a movement that is crucial for grasping and pinching.

Metacarpophalangeal (MCP) Joints

The MCP joints are the joints between the metacarpal bones and the proximal phalanges. These joints allow for flexion, extension, abduction, and adduction of the fingers, playing a significant role in hand function.

Interphalangeal Joints

The interphalangeal joints are located between the phalanges. Each finger has two interphalangeal joints (proximal and distal), while the thumb has one. These joints primarily allow for flexion and extension.

Muscles and Tendons

The muscles of the hand can be classified into two main groups: extrinsic and intrinsic muscles. Both types are essential for hand movements and function.

Extrinsic Muscles

The extrinsic muscles originate in the forearm and insert into the hand via long tendons. They are responsible for the powerful movements of the fingers. Key extrinsic muscles include:

- Flexor digitorum superficialis
- Flexor digitorum profundus
- Extensor digitorum
- Extensor indicis
- Extensor pollicis longus and brevis
- Abductor pollicis longus

These muscles allow for movements such as gripping, pinching, and extending the fingers.

Intrinsic Muscles

The intrinsic muscles are located within the hand itself and are responsible for fine motor control. They can be categorized into four groups:

- Thenar muscles (control thumb movements)
- Hypothenar muscles (control movements of the little finger)
- Adductor pollicis (adducts the thumb)
- Interossei and lumbricals (assist in finger movements)

These muscles are vital for tasks requiring precision, such as writing or buttoning clothes.

Common Hand Injuries and Conditions

Understanding the anatomy of the hand is crucial for diagnosing and treating common injuries and conditions. Some prevalent issues include:

Fractures

Hand fractures can occur in any of the bones and are often the result of trauma. Common fractures include scaphoid fractures, metacarpal fractures (often referred to as "boxer's fractures"), and phalangeal fractures. Accurate assessment and treatment are essential to prevent long-term complications.

Tendon Injuries

Tendon injuries, such as ruptures or lacerations, can severely affect hand function. Conditions like trigger finger occur when the tendons become inflamed, causing pain and difficulty in moving the fingers.

Carpal Tunnel Syndrome

This condition results from compression of the median nerve as it passes through the carpal tunnel. Symptoms include numbness, tingling, and weakness in the hand. Treatment may involve splinting, corticosteroid injections, or surgery.

Clinical Relevance of Hand Anatomy

For healthcare providers, a thorough understanding of hand anatomy is vital for several reasons. Accurate anatomical knowledge aids in:

- Diagnosis of hand-related conditions
- Planning surgical interventions
- Implementing effective rehabilitation protocols
- Educating patients about their conditions

Moreover, knowledge of hand anatomy is essential for preventing complications during surgical procedures and ensuring optimal outcomes for patients.

Conclusion

The anatomy of the hand is a complex and fascinating subject, encompassing numerous bones, joints, muscles, and tendons. A comprehensive understanding of these components is essential for healthcare professionals working in orthopedics and rehabilitation. Mastery of hand anatomy not only facilitates accurate diagnosis and effective treatment but also enhances the ability to educate patients and improve their quality of life. As healthcare continues to evolve, the importance of anatomical knowledge will remain paramount in delivering optimal care to patients with hand-related issues.

Q: What are the main bones of the hand?

A: The main bones of the hand include the 8 carpal bones, 5 metacarpal bones, and 14 phalanges, totaling 27 bones.

Q: Why is understanding hand anatomy important for healthcare professionals?

A: Understanding hand anatomy is crucial for diagnosing conditions, planning surgical interventions, and providing effective rehabilitation strategies.

Q: What are common hand injuries related to sports?

A: Common sports-related hand injuries include fractures, tendon injuries, and ligament sprains, often caused by falls or direct impacts.

Q: How can carpal tunnel syndrome be treated?

A: Treatment options for carpal tunnel syndrome include splinting, corticosteroid injections, physical therapy, and in severe cases, surgical intervention.

Q: What is the role of intrinsic muscles in hand function?

A: Intrinsic muscles are responsible for fine motor control and precision movements of the fingers, essential for tasks like typing and gripping.

Q: What are the symptoms of a scaphoid fracture?

A: Symptoms of a scaphoid fracture typically include pain in the wrist, swelling, and tenderness, especially in the area near the base of the thumb.

Q: How does the anatomy of the thumb differ from the

fingers?

A: The thumb has two phalanges (proximal and distal), allowing for a unique range of motion, including opposition, which is not present in the fingers.

Q: What is the function of the carpal bones?

A: The carpal bones facilitate the complex movements of the wrist and hand, providing stability and flexibility for various hand functions.

Q: Can hand anatomy knowledge improve surgical outcomes?

A: Yes, a comprehensive understanding of hand anatomy can significantly enhance surgical precision and reduce the risk of complications.

Q: What rehabilitation techniques are used for hand injuries?

A: Rehabilitation techniques for hand injuries may include physical therapy, occupational therapy, stretching and strengthening exercises, and splinting.

Orthobullets Hand Anatomy

Find other PDF articles:

<https://explore.gcts.edu/anatomy-suggest-004/pdf?ID=qFK57-6256&title=crow-foot-anatomy.pdf>

orthobullets hand anatomy: The Practice and Principles of Surgical Assisting Rebecca Hall, 2025-01-24 This definitive guide provides the insights surgical assistants need to excel in their field and the information students need to ace the CSFA Created by the Association of Surgical Assistants, The Practice and Principles of Surgical Assisting is based on feedback from educational program directors and on the approved core curriculum. Packed with 400 photos and illustrations, it delivers the information and insights you need as you work your way through the surgical assisting programs and study for the Certified Surgical First Assistant (CSFA). This authoritative guide covers all the topics you need to know, including legal, moral, and ethical considerations; perioperative infection control and patient management; pharmacology and anesthesia principles; preoperative patient preparation; tissue handling; wound closure modalities and techniques; and surgical specialties including but not limited to obstetric, gynecologic, genitourinary, ophthalmic, and cardiothoracic surgeries.

orthobullets hand anatomy: Multiple Choice Questions and Standard Answer Questions for Orthopaedic Trainees Ilias G. Bisbinas, Dimitrios A. Georgiannos, 2024-05-29 In recent times, both primary authors have observed that to establish a thorough and effective training program,

orthopaedic trainees should undertake intensive study of orthopaedic textbooks. This should be complemented by daily practical application involving the use of questions, including both multiple-choice questions (MCQs) and short-answer questions (SAQs), along with their corresponding solutions. This recognition marked the initial phase of developing and composing a book centered around orthopaedic questions. We envisage that this publication will function as a valuable companion for each orthopaedic trainee, providing prompt access to crucial knowledge and encouraging further study. The current volume, identified as Part I, encompasses all relevant information that an orthopaedic trainee needs to adequately prepare a patient for surgery. A subsequent section, Part II, will delve into knowledge related to regional orthopaedics.

orthobullets hand anatomy: MRI of the Upper Extremity Bethany U. Casagrande, 2021-10-09 This book systematically discusses the anatomy and pathology of three specific regions of the upper extremity: the elbow, wrist, and hand. Divided into three sections, by body part, chapters cover anatomy and pathology. The anatomy chapters give a comprehensive view of each body part and normal variants found there. Although the primary modality emphasized will be MRI, illustrations and other modalities, including plain radiograph and CT, will be used to comprehensively discuss the anatomy of each region. Liberally illustrated, the pathology chapters then cover both traumatic and non-traumatic causes for imaging and detail how to perform and interpret each MRI. Specific examples include: osseous trauma, soft tissue trauma, and tumor imaging. Chapters are written with the deliberate intention to be of value to all levels of radiology training while remaining a reliable resource for attending radiologists.

orthobullets hand anatomy: The Ultimate Medical School Rotation Guide Stewart H. Lecker, Bliss J. Chang, 2021-06-14 Written by the top medical student rotators, this book provides medical students with the often elusive information and skills required to ace their clinical rotations. Chapters cover all major medical sub-specialties such as internal medicine, general surgery, cardiology, dermatology, orthopedics, neurosurgery, and ophthalmology. Additionally, the book offers many novel features including a review of core rotation skills for oral presentations and a walk-through of a day in the life of the medical student on a particular rotation. It focuses on the common cases that students actually encounter in the hospital. This format thereby administers a complete, concise overview of what is needed for each rotation. A unique resource, *The Ultimate Medical School Rotation Guide* is not only instructional and comprehensive, but also assuring and supportive as it encourages students to appreciate this rewarding time in their medical careers.

orthobullets hand anatomy: Surgical Education, An Issue of Hand Clinics Youssra Marjoua, Kevin C. Chung, 2025-04-15 In this issue of *Hand Clinics*, guest editors Drs. Youssra Marjoua and Kevin C. Chung bring their considerable expertise to the topic of Surgical Education. In a changing healthcare environment and with access to new virtual and simulation tools of education, our approach to surgical training warrants consideration of novel teaching methods as well as review of the principles. To design the future of surgical education we also must study our history. In this issue, top experts equip the reader with an understanding of the foundations of surgical training, and the innovative training approaches that may alter our teaching methods. - evolution of surgery and surgical education in the past 100 years; the role of simulation-based medical education in surgical training; the use of virtual reality/mixed reality to improve surgical training and shorten the learning curve; the role of cadaver-based labs vs 3D virtual training in surgical teaching; the impact of duty hour restrictions on orthopaedic surgical training; and more - Provides in-depth clinical reviews on surgical education, offering 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 clinically significant, topic-based reviews.

orthobullets hand anatomy: Clinical Medicine for Physician Assistants James Van Rhee, Christine Bruce, Stephanie Neary, 2022-02-05 The only textbook for PA students by PA educators that covers everything you need to know for your clinical medicine courses. This groundbreaking clinical textbook designed specifically for physician assistant students was developed by PA

educators to ensure that you have the exact information you need to succeed in your challenging clinical medicine courses. Designed with the unique PA curriculum in mind, *Clinical Medicine for Physician Assistants* addresses current ARC-PA standards, providing you with a single go-to resource for all the topics you'll need to master. Organized by body system, this text provides the in-depth, head-to-toe foundation you'll need as you prepare to move into clinical practice. Not only does it cover hundreds of clinical conditions, but it also provides important insights on how to manage the most common chief complaints, system by system, with useful algorithms to guide you through patient visits. Chapters include a digestible and methodical review of conditions, including pathophysiology, etiology, history, signs and symptoms, physical exam, and diagnosis details for each. Also included are treatment options, patient education, and special considerations for various patient populations. Additionally, you'll find key points at the end of each chapter, along with knowledge checks to help you synthesize and apply what you learned. Key Features: The first clinical medicine textbook developed for PAs by PAs specifically for the PA curriculum Designed to reflect current ARC-PA competencies and standards for clinical medicine courses Covers all the clinical topics on the current NCCPA PANCE blueprint and more Includes chapters on surgery, abuse, care of the LGBTQ+ patient population, and preventive medicine More than 300 four-color illustrations, dozens of algorithms, and 600 useful tables and boxes to facilitate learning Key points and knowledge checks to reinforce learning Useful guidance for navigating common chief complaints Robust instructor resources, including an instructor manual, PowerPoint lectures, case studies, and a test bank with more than 1,000 questions

orthobullets hand anatomy: Questions and Answers in Pain Medicine Michael Suer, Nalini Sehgal, 2021-02-24 This book provides a practical and comprehensive review of pain medicine in a clear and easy to apply question and answer format. Divided by topic, the book includes Q&As on Pain Basics, Psychology, Common Pain Syndromes, Medications, Pain Management in Special Populations and Interventional Pain. It is intended as a guide for residents and fellows and is written in such a manner to provide instantaneous feedback on correct answer choice and explanation for self-evaluation while preparing for written board examinations. Questions and Answers in Pain Medicine: A Guide to Board Exams fulfills the need for a resource that is similar to the Accreditation Council for Graduate Medical Education (ACGME) board examination in the US as well as international equivalents. It utilizes a fully Q&A approach which is how many students prefer to study. Written by a physician who has recently passed the ACGME written board exam and the founder of a pain management fellowship program for nearly 20 years, the authors provide valuable insight for successfully undertaking board examinations in pain medicine.

orthobullets hand anatomy: Orthopedic Surgery Rotation Adam E. M. Eltorai, Craig P. Eberson, Alan H. Daniels, 2016-10-31 The 4th year of medical school represents an important transition with new goals and expectations. Matching into orthopedic surgery residency is increasingly competitive. Performing well on orthopedic surgery rotations during the 4th year of medical school is critical for match success. The goal of this guide book is to help students ace their orthopedic rotations. Orthopedic Surgery Rotation focuses on practical tips for success from optimal study resources, key technical skills, and strategies for being a standout orthopedic team player. Each chapter is written by current orthopedic residents, who not only know from personal experience on how to excel but also are actively involved in evaluating the performance of 4th year medical students. This book will serve as tool to propel students to the next level and help them start their journey as orthopedists on the right foot.

orthobullets hand anatomy: Pocket Orthopaedic Surgery Jay (Jamal) Boughanem, Ritesh R. Shah, 2015-07-29 Pocket Orthopaedics is your go-to resource for the essential orthopaedic information you need in a high-yield, easy-to-use format. Concise and well organized, it provides must-know information on the pathophysiology, diagnostic criteria, and medical and surgical treatment of common orthopaedic surgery pathologies. This pocket-sized powerhouse delivers highly relevant orthopaedic coverage in an easily portable source, making reference quick and easy.

orthobullets hand anatomy: Orthopedic Rehabilitation Tony K. George, S. Ali Mostoufi, Alfred

J. Tria Jr., 2023-08-08 This pocket-sized guide provides a practical and comprehensive resource for orthopedic, PM&R, and musculoskeletal specialists, as well as primary care physicians who work in the community outpatient clinic setting. Its consistent chapter format covers each area with anatomy, physical examination, preoperative management, and postoperative rehabilitation sections for the spine and extremities. The book presents treatment protocols for various injuries, including physical therapy measures such as weight bearing status, PRE, closed or open chain exercises, and timing for returning to routine or sport activities. Its concise presentation of rehabilitation for the upper and lower extremities, the hip and pelvis, and the spine enables quick reference and clinical decision-making. Furthermore, the book includes a chapter on rehabilitation following the use of orthobiologics, making it a valuable resource for healthcare professionals involved in orthopedic rehabilitation after regenerative interventions.

orthobullets hand anatomy: General Orthopaedics and Basic Science Nikolaos K. Paschos, George Bentley, 2019-03-04 This volume of the Orthopaedic Study Guide Series provides the foundation of general orthopedic and basic science. Chapters of this book cohere around three aspects of the musculoskeletal system, anatomy, physiology, and pathology. Next to basic principles, case reports underline key information relating to disorders, diagnosis, and treatment options. Written by leading experts, this volume is a concise guide designed as quick reference, thereby it presents a useful resource for orthopedic residents and fellows.

orthobullets hand anatomy: Foundations of Athletic Training Marcia Anderson, Mary Barnum, 2021-05-17 Comprehensive and evidence-based, Foundations of Athletic Training, 7th Edition, integrates basic medical concepts and related scientific information to help readers develop a strong foundation in athletic training best practices. The text's practical, problem-solving approach to the prevention, recognition, assessment, management, and disposition of sports-related injuries and diseases helps students learn to think like practitioners. Fully aligned with the BOC competencies, the 7th Edition has been extensively updated, expanded, and reorganized to reflect the changing role of today's athletic trainer and includes a powerful suite of engaging learning tools to help students succeed.

orthobullets hand anatomy: Postgraduate Orthopaedics Paul A. Banaszkiwicz, Deary F. Kader, 2012-01-19 The must-have Candidate's Guide to the FRCS (Tr and Orth) Examination has been extensively revised, updated and expanded in this second edition. This definitive book - giving guidance on all aspects of the examination and preparation - has been specifically written to get you through the exam. If you are facing the FRCS (Tr and Orth) in the next year or two, you need this book! This edition features five new chapters: surgical approaches, anatomy, SAS doctors, article 14 and the FRCS (Tr and Orth) exam and musculoskeletal tumours. All of the other chapters have been thoroughly revised to improve the content and cover the syllabus more comprehensively. The written section covers the new MCQ/EMI format and includes tips and tactics for success. The numerous examples of actual FRCS (Tr and Orth) cases and viva questions (and how to deal with them) are a gold mine for candidates and help to make this title an essential read.

orthobullets hand anatomy: Expeditionary Surgery at Sea Matthew D. Tadlock, Amy A. Hernandez, 2023-03-16 Currently, no comprehensive practical surgical textbook or other reference exists for the management of injured and other surgical patients at sea. This text focuses on the increasingly important field of medical and surgical management of patients in the modern expeditionary maritime environment. The editors and contributors to this new handbook are a group of physicians, nurses, and corpsmen with extensive experience in caring for patients in the expeditionary maritime environment, designing and implementing current doctrine and policy, and publishing peer-reviewed articles focused on these topics. This handbook takes the approach of a how to manual for the management of combat or disaster victims, beginning at the point of injury and proceeding through each stage of care until they leave the maritime environment. This includes sections on prehospital care, triage, en-route care, and maritime mass casualty management, as well as additional chapters covering unique aspects of maritime platforms, capabilities, and missions. The bulk of the book focuses on the initial patient evaluation and resuscitation as well as the operative

and perioperative phases of care including prolonged casualty care. The primary focus throughout the book is on simple, practical, and proven practices that can be easily understood and implemented by physicians and independent providers of any experience level who may find themselves in similar situations. For the clinical chapters, each begins with a clinical vignette relevant to the chapter based on actual patients or maritime scenarios experienced by the authors demonstrating the various challenges that can occur caring for injured and surgical patients at sea while deployed on maritime and amphibious platforms. When appropriate, each clinical chapter will conclude by describing the recommended management and outcome of the patient(s) presented in the vignette that opened the chapter. The style is plain and direct language, avoiding scientific jargon and unnecessary complexity whenever possible. Each chapter begins with 5 to 10 bullet points that summarize the key information or "BLUF" (bottom line up front) from that chapter and conclude with common tips and pitfalls, as well as recommended high-yield resources for the entire maritime surgical team.

orthobullets hand anatomy: Reichman's Emergency Medicine Procedures, 3rd Edition Eric F. Reichman, 2018-12-25 The most clear, complete, and easy-to-understand review of emergency medicine procedures - enhanced by an animation library and more than 1,500 full-color photographs Doody's Core Titles for 2021! Reichman's Emergency Medicine Procedures, Third Edition is written to provide a detailed, step-by-step approach to more than 200 procedures performed in an emergency or acute care setting. This trusted classic will provide medical students, residents, advanced practice clinicians, and the seasoned emergentologist with a reliable, one-stop procedural reference on which to base clinical practices and technical skills. The Third Edition is enhanced by added chapters, algorithms, clinical pictures, radiographs, tables, and coverage of cutting-edge technological advancements. Features: Organized into 16 sections, each representing an organ system, an area of the body, or a surgical specialty. Each chapter is devoted to a single procedure Chapters have a similar format that encompasses: Relevant anatomy and pathophysiology Indications and contraindications for the procedure Preparation for the patient, including consent, anesthesia, and analgesia Step-by-step description of the procedure Cautions that indicate common problems Alternative techniques and helpful hints Aftercare and follow-up Potential complications Summary of critical information More than 1,500 full-color photographs Companion online library of animations demonstrates approximately 40 common or difficult procedures. Includes both common and infrequently encountered procedures Important evidence-based recommendations throughout Helpful pedagogy includes key information, cautions, and important facts highlighted in bold The techniques presented in this book will dramatically expand your understanding of emergency medicine procedures, and most importantly, your ability to deliver positive patient outcomes.

orthobullets hand anatomy: Emergency and Trauma Care for Nurses and Paramedics - eBook Kate Curtis, Clair Ramsden, Ramon Z. Shaban, Margaret Fry, Julie Considine, 2019-07-30 - Expanded editorial team, all internationally recognised researchers and leaders in Emergency Care - Chapter 6 Patient safety and quality care in emergency - All chapters revised to reflect the most up-to-date evidence-based research and practice - Case studies and practice tips highlight cultural considerations and communication issues - Aligns to NSQHSS 2e, NMBA and PBA Standards - An eBook included in all print purchases

orthobullets hand anatomy: The Infographic Guide to Medicine (EBOOK) Neeral Shah, 2020-12-22 Over 600 highly visual, expertly written "snapshots" build your understanding and retention of key medical concepts for exam and performance success With medical students under more pressure than ever to maximize their learning time, The Infographic Guide to Medicine enables the modern student to absorb as much information as possible, in as little time as possible. The collection contains over 600 infographics with top diagnoses, that are also aligned with USMLE Steps 1 and 2, condensed into a one-page snapshot with easy-to-remember visual elements, such as color coding for topic groupings and text placement.

orthobullets hand anatomy: Turkey Book UW Alpha Omega Alpha, 2020-04-03 Don't be a turkey! was an old phrase that meant Don't be a fool, a coward, a chicken, inept, a failure... When

you have the Turkey Book with you, you won't be any of these things! The Turkey Book, now an app, was first published in 1980 by the UW Chapter of AOA, and is updated biannually. The manual is a compilation of helpful hints, high-yield facts, and need-to-know introductions to many clinical topics that you will encounter in your clinical years of medical education. It can be used as a starting point, and/or to supplement other more exhaustive references.

orthobullets hand anatomy: Surgical Anatomy of the Hand and Upper Extremity James R. Doyle, 2003 Prepared by preeminent hand surgeons and a master medical illustrator, this text/atlas is the most comprehensive reference on surgical anatomy of the hand and upper extremity. It features 500 full-color photographs of fresh cadaver dissections and 1,000 meticulous drawings that offer a realistic, detailed view of the complex anatomy encountered during surgical procedures. The text is thorough and replete with clinical applications. A Systems Anatomy section covers the skeleton, muscles, nerves, and vasculature. A Regional Anatomy section demonstrates anatomic landmarks and relationships, surgical approaches, clinical correlations, and anatomic variations in each region. An Appendix explains anatomic signs, syndromes, tests, and eponyms.

orthobullets hand anatomy: Hand and Wrist Anatomy and Biomechanics Bernhard Hirt, Harun Seyhan, Michael Wagner, 2016-10-12 Hand and Wrist Anatomy and Biomechanics A Comprehensive Guide There is a saying that hand surgery without a tourniquet is like repairing a clock in a barrel full of dark ink. Operating without a sound fundamental knowledge of anatomy can be compared to stirring around in the soup. Classic anatomy instruction covers only a fraction of the area of hand surgery: bones, muscles/ligaments, vessels, and nerves. The many different connective-tissue structures are often only briefly highlighted. The complex interaction of the various structures remains a mystery to most. This book presents the specialty of applied anatomy and is intended for medical professionals involved with the hand and its functionality: hand surgeons, trauma specialists, orthopaedists, plastic surgeons, occupational therapists, and physio-therapists. Key Features: Almost 150 illustrations, anatomical drawings, and photos of anatomy in vivo. Up-to-date information on clinical aspects such as diseases, their causes, and their treatment. Part 1 deals with the anatomy and functional anatomy of the hand Part 2 is dedicated to the surface anatomy of the structures of the forearm, wrist, and hand

Related to orthobullets hand anatomy

Orthobullets - Over 200,000 physicians learn and collaborate together in our online community. New to Orthobullets? Join for free

About Us - Orthobullets About Us Orthobullets is an educational resource for orthopaedic surgeons designed to improve through the communal efforts of those who use it as a learning resource. It is a simple but

Search - Orthobullets Orthobullets FAQs User Tutorials for Orthobullets PASS Tutorial Videos iPhone and Android APP

Ankle Fractures - Trauma - Orthobullets Treatment can be nonoperative or operative depending on fracture displacement, ankle stability, presence of syndesmotic injury, and patient activity demands

Metatarsal Fractures - Foot & Ankle - Orthobullets Metatarsal fractures are among the most common injuries of the foot that may occur due to trauma or repetitive microstress

Rotator Cuff Arthropathy - Shoulder & Elbow - Orthobullets Rotator cuff arthropathy is a specific pattern of shoulder degenerative joint disease that results from a rotator cuff tear leading to abnormal glenohumeral wear and subsequent

Atlantoaxial Rotatory Displacement (AARD) - Orthobullets Atlantoaxial Rotatory Displacement is a pediatric cervical spine rotatory instability caused by C1-C2 subluxation or facet dislocation

Open Fractures Management - Trauma - Orthobullets Open fractures are fractures with direct communication to the external environment

Pediatrics Specialty Dashboard - Orthobullets Pediatrics High-Yield Topics Topics with the

highest number of questions

Distal Radius Fractures - Pediatric - Pediatrics - Orthobullets Distal Radius Fractures are the most common site of pediatric forearm fractures and generally occur as a result of a fall on an outstretched hand with the wrist extended

Orthobullets - Over 200,000 physicians learn and collaborate together in our online community. New to Orthobullets? Join for free

About Us - Orthobullets About Us Orthobullets is an educational resource for orthopaedic surgeons designed to improve through the communal efforts of those who use it as a learning resource. It is a simple but

Search - Orthobullets Orthobullets FAQs User Tutorials for Orthobullets PASS Tutorial Videos iPhone and Android APP

Ankle Fractures - Trauma - Orthobullets Treatment can be nonoperative or operative depending on fracture displacement, ankle stability, presence of syndesmotom injury, and patient activity demands

Metatarsal Fractures - Foot & Ankle - Orthobullets Metatarsal fractures are among the most common injuries of the foot that may occur due to trauma or repetitive microstress

Rotator Cuff Arthropathy - Shoulder & Elbow - Orthobullets Rotator cuff arthropathy is a specific pattern of shoulder degenerative joint disease that results from a rotator cuff tear leading to abnormal glenohumeral wear and subsequent

Atlantoaxial Rotatory Displacement (AARD) - Orthobullets Atlantoaxial Rotatory Displacement is a pediatric cervical spine rotatory instability caused by C1-C2 subluxation or facet dislocation

Open Fractures Management - Trauma - Orthobullets Open fractures are fractures with direct communication to the external environment

Pediatrics Specialty Dashboard - Orthobullets Pediatrics High-Yield Topics Topics with the highest number of questions

Distal Radius Fractures - Pediatric - Pediatrics - Orthobullets Distal Radius Fractures are the most common site of pediatric forearm fractures and generally occur as a result of a fall on an outstretched hand with the wrist extended

Orthobullets - Over 200,000 physicians learn and collaborate together in our online community. New to Orthobullets? Join for free

About Us - Orthobullets About Us Orthobullets is an educational resource for orthopaedic surgeons designed to improve through the communal efforts of those who use it as a learning resource. It is a simple but

Search - Orthobullets Orthobullets FAQs User Tutorials for Orthobullets PASS Tutorial Videos iPhone and Android APP

Ankle Fractures - Trauma - Orthobullets Treatment can be nonoperative or operative depending on fracture displacement, ankle stability, presence of syndesmotom injury, and patient activity demands

Metatarsal Fractures - Foot & Ankle - Orthobullets Metatarsal fractures are among the most common injuries of the foot that may occur due to trauma or repetitive microstress

Rotator Cuff Arthropathy - Shoulder & Elbow - Orthobullets Rotator cuff arthropathy is a specific pattern of shoulder degenerative joint disease that results from a rotator cuff tear leading to abnormal glenohumeral wear and subsequent

Atlantoaxial Rotatory Displacement (AARD) - Orthobullets Atlantoaxial Rotatory Displacement is a pediatric cervical spine rotatory instability caused by C1-C2 subluxation or facet dislocation

Open Fractures Management - Trauma - Orthobullets Open fractures are fractures with direct communication to the external environment

Pediatrics Specialty Dashboard - Orthobullets Pediatrics High-Yield Topics Topics with the highest number of questions

Distal Radius Fractures - Pediatric - Pediatrics - Orthobullets Distal Radius Fractures are the most common site of pediatric forearm fractures and generally occur as a result of a fall on an outstretched hand with the wrist extended

Back to Home: <https://explore.gcts.edu>