

anatomy under rib cage

anatomy under rib cage is a crucial topic in understanding human biology and physiology. The area beneath the rib cage houses vital organs and structures that play essential roles in our health and wellbeing. This article will delve into the anatomy under the rib cage, exploring the organs located in this region, their functions, and the possible conditions that may affect them. We will also cover the importance of understanding this anatomy for both medical professionals and individuals alike. By the end of this article, readers will have a comprehensive understanding of what lies beneath the rib cage.

- Introduction to Anatomy Under Rib Cage
- Organs Located Under the Rib Cage
 - Heart
 - Lungs
 - Liver
 - Stomach
 - Pancreas
 - Spleen
- Functions of the Organs Under the Rib Cage
- Common Conditions Affecting the Anatomy Under the Rib Cage
- Importance of Understanding Rib Cage Anatomy
- Conclusion

Organs Located Under the Rib Cage

The rib cage serves as a protective structure for several critical organs located in the thoracic and upper abdominal cavities. Understanding the anatomy under the rib cage requires an exploration of these organs and their respective locations.

Heart

The heart is a muscular organ located slightly to the left of the center of the chest, beneath the rib cage. It is responsible for pumping blood throughout the body and is vital for maintaining circulation. The heart comprises four chambers: the right and left atria and the right and left ventricles. Its position under the rib cage helps shield it from external trauma.

Lungs

The lungs are two spongy organs located on either side of the heart, encased by the rib cage. They play a critical role in gas exchange, allowing oxygen to enter the bloodstream and carbon dioxide to be expelled. Each lung is divided into lobes, with the right lung containing three lobes and the left lung having two.

Liver

The liver is a large organ located predominantly in the right upper quadrant of the abdomen, beneath the rib cage. It performs numerous essential functions, including detoxification, protein synthesis, and the production of biochemicals necessary for digestion. The liver's position under the rib cage provides some protection from injury.

Stomach

The stomach is a hollow organ situated in the left upper quadrant of the abdomen, just beneath the rib cage. It is responsible for the digestion of food, utilizing gastric acids and enzymes to break down nutrients. The stomach's placement allows for effective interaction with the diaphragm during respiration, influencing digestive processes.

Pancreas

The pancreas is a glandular organ located behind the stomach, extending horizontally across the abdomen. It plays a dual role in the digestive system by producing digestive enzymes and hormones such as insulin, which regulates blood sugar levels. Its location under the rib cage can make it susceptible to conditions such as pancreatitis.

Spleen

The spleen is an organ located in the left upper quadrant, just beneath the rib cage. It plays a significant role in filtering blood, recycling iron, and supporting the immune system. The spleen's position provides it with protection from injury, although it can be affected by various diseases.

Functions of the Organs Under the Rib Cage

Each organ located under the rib cage has a unique and vital function that contributes to overall health and wellbeing. Understanding these functions helps underscore the importance of the anatomy in this area.

Circulatory Functions

The heart, being central to the circulatory system, pumps oxygen-rich blood to various parts of the body while returning deoxygenated blood to the lungs. This process is essential for sustaining life, delivering nutrients, and removing waste products.

Respiratory Functions

The lungs facilitate respiration, allowing for the exchange of gases. This process is crucial for providing oxygen for cellular metabolism and removing carbon dioxide, a waste product of metabolism.

Digestive Functions

The stomach and pancreas work together to break down food into nutrients. The stomach stores food and mixes it with digestive juices, while the pancreas releases enzymes that further digest carbohydrates, proteins, and fats. The liver also plays a role in digestion by producing bile, which aids in fat breakdown.

Immune Functions

The spleen contributes to the immune response by filtering blood and producing lymphocytes, which are critical for fighting infections. It helps in identifying and removing old or damaged blood cells, thus maintaining the health of the blood supply.

Common Conditions Affecting the Anatomy Under the Rib Cage

Various conditions can affect the organs located under the rib cage, leading to significant health issues. Recognizing these conditions can aid in early diagnosis and treatment.

Cardiovascular Diseases

Heart disease is one of the leading causes of death globally. Conditions such as coronary artery disease, heart failure, and arrhythmias can severely impact heart function. Symptoms may include chest pain, shortness of breath, and fatigue.

Respiratory Disorders

Various respiratory disorders, such as pneumonia, chronic obstructive pulmonary disease (COPD), and asthma, can affect lung function. Symptoms may include coughing, wheezing, and difficulty breathing.

Liver Diseases

Liver conditions such as hepatitis, cirrhosis, and fatty liver disease can significantly impair liver function. Symptoms can include jaundice, abdominal pain, and swelling.

Gastrointestinal Disorders

Conditions affecting the stomach and pancreas, such as gastritis, ulcers, and pancreatitis, can lead to significant discomfort and digestive issues. Symptoms may include abdominal pain, nausea, and changes in bowel habits.

Splenic Disorders

Issues with the spleen, such as splenomegaly (enlargement of the spleen) or rupture, can pose serious health risks. Symptoms may include pain in the left upper abdomen, fatigue, and increased susceptibility to infections.

Importance of Understanding Rib Cage Anatomy

Understanding the anatomy under the rib cage is essential for various reasons. It aids healthcare professionals in diagnosing and treating conditions related to the thoracic and upper abdominal organs. For individuals, knowledge of this anatomy can empower them to recognize symptoms that may indicate underlying health issues, leading to timely medical attention.

Additionally, awareness of rib cage anatomy can enhance understanding of how lifestyle factors, such as diet and exercise, can affect organ health. Overall, this knowledge contributes to better health management and disease prevention.

Conclusion

In summary, the anatomy under the rib cage encompasses vital organs that are essential for various bodily functions, including circulation, respiration, digestion, and immunity. Understanding the structure and function of these organs is crucial for recognizing potential health issues and promoting overall wellbeing. By fostering awareness of the anatomy in this region, individuals and healthcare providers can work together to ensure a healthier future.

Q: What organs are located under the rib cage?

A: The organs located under the rib cage include the heart, lungs, liver, stomach, pancreas, and spleen. Each of these organs plays a vital role in various bodily functions.

Q: How does the anatomy under the rib cage relate to respiratory health?

A: The lungs, located under the rib cage, are essential for respiratory health as they facilitate gas exchange, allowing oxygen to enter the bloodstream and carbon dioxide to be expelled. Any condition affecting the lungs can significantly impact respiratory function.

Q: What are the symptoms of liver disease?

A: Symptoms of liver disease may include jaundice (yellowing of the skin and eyes), abdominal pain, swelling in the abdomen, fatigue, and changes in appetite. Early detection is crucial for effective treatment.

Q: How can lifestyle choices impact the organs under the rib cage?

A: Lifestyle choices such as diet, exercise, and alcohol consumption can significantly impact the health of the organs under the rib cage. A balanced diet and regular physical activity promote organ health, while poor choices can lead to conditions like heart disease and liver issues.

Q: What is the role of the spleen in the body?

A: The spleen plays a critical role in filtering blood, recycling iron, and supporting the immune system. It helps eliminate old or damaged blood cells and produces lymphocytes to fight infections.

Q: What are common respiratory disorders affecting the lungs?

A: Common respiratory disorders include pneumonia, asthma, chronic obstructive pulmonary disease (COPD), and lung cancer. These conditions can vary in severity and require different treatment approaches.

Q: What should I do if I experience pain under my rib

cage?

A: If you experience persistent or severe pain under your rib cage, it is essential to seek medical attention. This could indicate various conditions related to the organs in that area, and timely evaluation is necessary for appropriate treatment.

Q: Can stress affect the organs under the rib cage?

A: Yes, stress can impact the organs under the rib cage, particularly affecting the digestive system and heart. Stress can lead to issues such as gastritis, heart palpitations, and exacerbate existing health conditions.

Q: What diagnostic tests are used to evaluate conditions under the rib cage?

A: Common diagnostic tests include imaging studies such as X-rays, CT scans, and ultrasounds, blood tests, and endoscopic procedures. These tests help healthcare professionals assess the health of the organs beneath the rib cage.

Q: How can I maintain the health of the organs under my rib cage?

A: Maintaining the health of the organs under the rib cage involves a balanced diet, regular exercise, avoiding excessive alcohol consumption, managing stress, and receiving regular medical check-ups to detect any potential issues early.

[Anatomy Under Rib Cage](#)

Find other PDF articles:

<http://www.speargroupllc.com/calculus-suggest-004/files?trackid=XtK81-9556&title=integral-calculus-basic-formulas.pdf>

anatomy under rib cage: Anatomy & Physiology Frederic H. Martini, Frederic Martini, 2005

anatomy under rib cage: The Postcranial Anatomy of Australopithecus afarensis

Yohannes Haile-Selassie, Denise F. Su, 2015-12-22 This volume describes a 3.6 million-years-old partial skeleton of Australopithecus afarensis from the Woranso-Mille, central Afar, Ethiopia. This specimen is the first adult partial skeleton to be recovered since Lucy's (A.L. 288-1) discovery in 1974. It is older than Lucy by 400,000 years and sheds light on the paleobiology of early Australopithecus afarensis, particularly the morphology of the shoulder girdle and thoracic shape, which are thus far poorly understood and actively debated. The fauna associated with the partial skeleton tells us enormously about Au. afarensis paleoecology and give us another piece of the puzzle regarding habitat availability and use for Au. afarensis outside the Hadar region where it has

been well-known for the last four decades.

anatomy under rib cage: *Classic Human Anatomy in Motion* Valerie L. Winslow, 2015-08-04 This essential companion book to the bestselling *Classic Human Anatomy* provides artists and art students with a deeper understanding of human anatomy and different types of motion, inspiring more realistic and energetic figurative art. Fine-art instruction books do not usually focus on anatomy as it relates to movement, despite its great artistic significance. Written by a long-time expert on drawing and painting human anatomy, *Classic Human Anatomy in Motion* offers artists everything they need to realistically draw the human figure as it is affected by movement. Written in a friendly style, the book is illustrated with hundreds of life drawing studies (both quick poses and long studies), along with charts and diagrams showing the various anatomical and structural components. This comprehensive manual features 5 distinct sections, each focusing on a different aspect of the human figure: bones and joint movement, muscle groups, surface form and soft tissue characteristics, structure, and movement. Each chapter builds an artistic understanding of how motion transforms the human figure and can create a sense of expressive vibrancy in one's art.

anatomy under rib cage: *Anatomy Trains E-Book* Thomas W. Myers, 2020-03-19 Get a multi-dimensional understanding of musculoskeletal anatomy with *Anatomy Trains: Myofascial Meridians for Manual Therapists & Movement Professionals*, 4th Edition. This hugely successful, one-of-a-kind title continues to center on the application of anatomy trains across a variety of clinical assessment and treatment approaches — demonstrating how painful problems in one area of the body can be linked to a silent area away from the problem, and ultimately giving rise to new treatment strategies. This edition has been fully updated with the latest evidence-based research and includes new coverage of anatomy trains in motion using Pilates-evolved movement, anatomy trains in horses and dogs, and the updated fascial compendium on elements, properties, neurology, and origins of the fascial system. It also offers a new, larger library of videos, including animations and webinars with the author. In all, this unique exploration of the role of fascial in healthy movement and postural distortion is an essential read for physical therapists, massage therapists, craniosacral therapists, yoga instructors, osteopathologists, manual therapists, athletic and personal trainers, dance instructors, chiropractors, acupuncturists, and any professional working in the field of movement. - Revolutionary approach to the study of human anatomy provides a holistic map of myoanatomy to help improve the outcomes of physical therapies that are traditionally used to manage pain and other musculoskeletal disorders. - Relevant theory descriptions are applied to all common types of movement, posture analysis, and physical treatment modalities. - Intuitive content organization allows students to reference the concept quickly or gain a more detailed understanding of any given area according to need. - Section on myofascial force transmission in gait dynamics is written by guest author James Earls. - Robust appendices discuss the relevance of the Anatomy Trains concept to the work of Dr Louis Schultz (Meridians of Latitude), Ida Rolf (Structural Integration), and correspondences with acupuncture meridians. - New photos and images of fascial tissues, adhesions, and layers provide a better understanding of text content. - Revised and expanded content reflects the most up-to-date research and latest evidence for the scientific basis of common clinical findings. - New, larger library of videos includes animations and webinars with the author. - New Anatomy Trains in Motion section by guest author Karin Gurtner uses Pilates-evolved movement to explore strength and plasticity along myofascial meridians. - New addition: *Anatomy Trains in Quadrupeds* (horses and dogs) is mapped for equine and pet therapies by Rikke Schultz, DVM, Tove Due, DVM, and Vibeke Elbrønd, DVM, PhD. - New appendix: Updated fascial compendium on elements, properties, neurology, and origins of the fascial system. - NEW! enhanced eBook version is included with print purchase, which allows students to access all of the text, figures, and references from the book on a variety of devices.

anatomy under rib cage: *Anatomy for Diagnostic Imaging E-Book* Stephanie Ryan, Michelle McNicholas, Stephen J. Eustace, 2024-06-17 *Anatomy for Diagnostic Imaging*, Fourth Edition covers everything trainee radiologists need to know about anatomy shown in the full range of medical imaging, including CT, MR and ultrasound. It provides an initial traditional anatomical

description of each organ or system, followed by the radiological anatomy of that part of the body with labelled imaging examples in all modalities. A series of 'radiology pearls' emphasises clinically and radiologically important points. Written by radiologists with immense clinical and teaching experience, with seven new contributors, the fourth edition has been fully updated reflecting advances in imaging and evolving clinical practice. It will be indispensable for radiology registrars and residents, especially candidates for postgraduate radiology exams. A manageable size, it will also be of great use to radiographers, medical students, physicians, surgeons and others whose work requires an understanding of radiological anatomy. It is also an extremely useful reporting station reference book. - Covers the entire gamut of medical imaging - Easy to understand - aims to provide the essential radiological anatomy - Addresses the needs of candidates for postgraduate exams such as FRCR - Simple all new colour diagrams for optimal learning and easy recall - Provides key images in all modalities - 'Radiology pearls' emphasise clinically and radiologically important points - All new colour diagrams - Over 100 new and updated images - New and updated content including: Spaces of the head and neck and lymph node levels; Identification of cerebral lobes and gyri on axial brain images; Updated spinal cord segmental anatomy and dermatomes; High resolution CT anatomy of lung parenchyma; Liver MRI and contrast agents; Prostate MRI; Cone beam CT wrist anatomy; Focus on MSK anatomy important to sports injuries; Lymphatic pathways in the breast - With New Contributors: Danielle Byrne; Philip Dempsey; Emma Dunne; Terence Farrell; Barry Hutchinson; John Hynes; Jack Power

anatomy under rib cage: *Basic Anesthesia Review* Alaa Abd-Elsayed, 2024 Cricothyroid membrane - This is the landmark used for a cricothyrotomy procedure. Located between the cricoid and thyroid cartilage tissue, as shown in Figure 1, the membrane acts as a guide for establishing an airway for patients in emergency situations. Palpate superiorly to the sternal notch until the prominence of the cricoid cartilage is identified and a subtle step off is felt just inferior to the thyroid cartilage--

anatomy under rib cage: Film, Broadcast & E-media Coaching Rocco Dal Vera, 2003 (Applause Books). This book features 67 articles from experts all over the world on the theme of coaching actors for performances in film, broadcast and e-media. Covers a wide variety of topics, from Breathing Principles & Pedagogy to Dialect/Accent Studies to Private Studio Practice.

anatomy under rib cage: *Medical Management of the Thoracic Surgery Patient E-Book* Michael I. Lewis, Robert J. McKenna, 2009-10-30 Medical Management of the Thoracic Surgery Patient, by Michael I. Lewis, MD and Robert J. McKenna, Jr., MD, is a comprehensive pulmonary and thoracic reference that takes a practical approach to the diagnosis, workup and care of the thoracic surgery patient. It is geared towards pulmonary and critical care physicians and their trainees as well as all other specialties with whom thoracic surgeons consult and interact. It outlines the principles for understanding the underlying disease entities as well as the clinical implications and complications of surgery, and interprets key surgical concepts such as correlative and functional anatomy for non-surgeons. Contributions from today's authorities...“at-a-glance detailed key information, as well as summary bullets...and a multidisciplinary perspective, combine to offer essential guidance for confident patient management. As an Expert Consult title it includes convenient online access to the complete contents of the book—fully searchable—along with video clips of thoracic procedures, patient information sheets, all of the images downloadable for your personal use, and references linked to Medline at www.expertconsult.com. Includes access to a companion website at expertconsult.com where you can search the complete contents of the book, watch video clips of thoracic procedures, print out patient information sheets, download all of the images, and review references linked to Medline...providing you with a powerful resource for convenient consultation anytime, anywhere. Features ‘real world’ illustrative cases presented in a brief, bulleted format that facilitates easy access to and retention of the material. Examines every aspect of diagnosis and management for pre-, peri-, and postoperative care for an all-encompassing reference to respond to unique surgical problems. Provides coverage of individual topics supplemented by a brief case-based presentation, where appropriate, that lend a real-life

perspective to the material. Contains all of the “need-to-know facts for a complete, thorough consultation in diagnosis and treatment of patients who undergo thoracic surgery. Offers practical information that utilizes the experience of today’s leaders while based on evidence in the literature for coverage you can trust. Examines current clinical controversies, providing you with an arena for discussion of sensitive topics and guidance on preferred approaches when relevant. Presents pearls, pitfalls, key points, and other learning elements in each chapter, to help you locate summaries of essential information “at-a-glance. Features chapters written by specialists of various disciplines, to equip you with a balanced perspective on each condition.

anatomy under rib cage: Diagnostic Imaging of Child Abuse Paul K. Kleinman, 2015-09-03 This updated edition of the leading text on the imaging of child abuse and its imitators combines radiographic images with pathologic correlates of inflicted injuries. Presented in full color for the first time, it contains many new photomicrographs and clinical images of bone scintigraphy, CT, MRI and sonography. Presenting radiologic findings in clinical, biomechanical and medicolegal contexts, a wealth of new material relating to extremity, thoracic, spinal and intracranial injuries is included. Chapters on intracranial (extra-axial and parenchymal), visceral and miscellaneous injuries, and MRI physics have been revised and expanded, while new chapters cover disorders of calcium and phosphorus metabolism and an extended discussion of skeletal injury. Complete with technical discussions explaining the physical principles and instrumentation of imaging equipment, this is essential reading for radiologists, pediatricians, forensic pathologists and emergency room physicians. Additionally, it will be of interest to a wide array of legal professionals.

anatomy under rib cage: The Thorax Diane Lee, 2018-08-01 This clinical textbook will update the reader on the relevant anatomy, known biomechanics, clinical assessment, musculoskeletal conditions and treatment of the thorax and how these relate to the function of the whole body. An integrated biopsychosocial model (the Integrated Systems Model - ISM) will be highlighted in this text and used as a foundation for clinicians to organize their knowledge from multiple sources. The text emphasizes the current suggestion from the evidence that treatment be individualized and that clinical reasoning form the basis for treatment decisions. Richly illustrated with 3D-rendered colour anatomical drawings, and over 250 clinical photographs, The Thorax: An integrated approach is the definitive manual on the thorax for all bodyworkers helping patients improve mobility and control of the trunk.

anatomy under rib cage: Applied Physiology in Respiratory Mechanics J. Milic-Emili, 2013-11-11 The close correlations between anatomo-functional data and clinical aspects are substantiated by the study and interpretation of the data of respiratory mechanics. This field has developed to such an extent that, today, it is hard to single out one researcher who is an expert of the whole sector, whereas super experts can be found among scholars who, thanks to their studies and continuous comparisons, have contributed to the widening of knowledge and the development of that part of research which correlates some basic disciplines with clinical medicine. This notion is of paramount importance. Indeed, it has to be regarded as a starting point requiring a more precise definition. The analysis of data concerning ventilation parameters is based on the use of mathematical models that are necessary to simplify the complexity of the various clinical situations. For a correct application and interpretation of data, the most recent technological acquisitions in terms of ventilatory support require to be used as a function of simple mathematical models for the study, control and evolution of the lung diseases that concern the ICU. Thus, the need has arisen to compare the experience acquired in the field of applied physiology and in the clinical sector.

anatomy under rib cage: Cardiorespiratory Physiotherapy: Adults and Paediatrics: First South Asia Edition -E-Book Eleanor Main, Linda Denehy, 2017-01-20 This seminal textbook continues to provide those who are studying or are in practice with comprehensive evidence-based coverage of all the main aspects of respiratory and cardiac physiotherapy throughout the whole lifespan - neonates, infants, children, adolescents and adults - with the patient at centre and advocating a problem-based approach. For the new edition, Jennifer Pryor and Ammani Prasad hand the baton of editorship and their lasting legacy over to Eleanor Main and Linda Denehy. With a team of over 60

international expert authors, the new editors have incorporated major changes reflecting current cardiorespiratory physiotherapy education and practice. These changes are heralded by a new title - Cardiorespiratory Physiotherapy: Adults and Paediatrics (formerly Physiotherapy for Respiratory and Cardiac Problems: Adults and Paediatrics) - and a significant restructure of the content with a new set of chapters. A new key chapter on anatomy and physiology of the respiratory system lays the foundation which is then followed by a chapter on clinical assessment of adults, infants and children, and acutely ill or deteriorating patients. Additional new content includes a chapter on outcome measurement in practice and a large chapter describing rehabilitation in acute and chronic conditions in special populations including spinal cord injury, oncology, trauma and paediatrics. The chapter on therapeutic interventions is comprehensive and reflective of evidence based practice. - Integrates evidence with clinical practice - Case studies used to facilitate problem solving - Boxes throughout highlighting key issues and points - Emphasizes the need for a holistic approach to patient care

anatomy under rib cage: *Dinosaurs of the Air* Gregory S. Paul, 2002-05 This book synthesises the growing body of evidence which suggests that modern-day birds have evolved from theropod dinosaurs of prehistoric times. The author argues that the ancestor-descendant relationship can also be reversed.

anatomy under rib cage: Acute and Emergency Care in Athletic Training Michelle Cleary, Katie Walsh Flanagan, 2019-03-05 Athletic trainers are often the first ones on the scene when an individual sustains an acute injury. Therefore, knowing how to assess injuries and illnesses and begin treatment quickly is of vital importance for aspiring athletic trainers. *Acute and Emergency Care in Athletic Training With Web Study Guide* teaches students how to recognize and manage emergency conditions so they can provide appropriate patient care between the field and the emergency department. Authors Michelle Cleary and Katie Walsh Flanagan take an interdisciplinary approach, drawing from literature, position statements, and guidelines from numerous professional health care organizations to offer current evidence-based clinical best practices. The book's comprehensive coverage adheres to and incorporates guidelines from the Commission on Accreditation of Athletic Training Education (CAATE) and the Board of Certification (BOC), and it is one of the first textbooks to align with the competencies outlined in the CAATE 2020 standards. To prepare students to effectively provide appropriate care before getting an injured or ill athlete to the hospital, *Acute and Emergency Care in Athletic Training* includes the following learning aids: • Case studies in the web study guide offer practical scenarios that will facilitate critical thinking and decision-making skills. • Clinical Skills sidebars guide students through the process of completing specific tasks such as splinting, wound care, and airway maintenance. • Red Flag sidebars indicate areas where significant caution is warranted. • Decision-making algorithms and decision trees lead students through selecting the most appropriate treatment option based on a patient's signs and symptoms. • Key terms are boldfaced in the text and are defined in the glossary section. With a full-color presentation and more than 280 photos and illustrations, the text takes a systematic approach to acute and emergency care, with the content divided into two parts. Part I provides critical information on prevention and risk management strategies, including developing an emergency action plan, conducting an emergency examination, and administering emergency medications. Part II then provides the basics of emergency evaluations, describing how to examine, treat, and manage common acute injuries and illnesses to limit the severity of these potentially life-threatening conditions. To aid instructors using *Acute and Emergency Care in Athletic Training* in the classroom, there is a full array of ancillaries, including a test package, an instructor guide with sample answers to the case study questions, and a presentation package plus image bank. When an athlete is injured on the field of play, time is of the essence. *Acute and Emergency Care in Athletic Training* is an invaluable resource for training and preparing the initial responders to recognize critical situations and treat the acutely injured or ill patient.

anatomy under rib cage: *Clinical Clerkships* Peter O. Ways, Peter Ways, John D. Engel, Peter Finkelstein, 2000-07-06 A medical student's clinical clerkship is characterized among other things by

long hours, insufficient sleep, daily frustrations, and emotional burdens. It will be not only a defining professional experience, but a rewarding life experience. Clinical Clerkships takes the third or fourth year student through the unstated curriculum of the clerkship to address those difficulties not often discussed by deans, educators, practitioners, professors, or lab assistants. Through practical discussion and germane vignettes, the authors not only describe the difficult issues involved in clerkship, they also provide solutions and stimulate discussion.

anatomy under rib cage: IAP Specialty Series on Pediatric Intensive Care Soonu Udani, Jayashree Muralidharan, Santosh T Soans, 2019-09-30 1. Critical Care Scenario in India 2. Recognition and Stabilization of the Critically Ill Child 3. Resuscitation 4. Fluid and Electrolytes in the Critically Ill Child 5. Oxygen Therapy in the Emergency Room and PICU 6. Lung Mechanics with Ventilation: Physiology and Monitoring 7. Basics of Mechanical Ventilation 8. Noninvasive Ventilation 9. Respiratory Monitoring in Pediatric Intensive Care Unit 10. Acute Respiratory Distress Syndrome 11. Hemodynamic Monitoring 12. Acute Heart Failure 13. Cardiac Arrhythmias 14. Vasoactive Agents 15. Hypertensive Crises 17. Approach to a Comatose Child 18. Head Injury in Children 19. Status Epilepticus 20. End of Life Care in the Pediatric Intensive Care Unit 21. Diabetic Ketoacidosis in Children 22. Basics of RRT in ICU 23. Gastrointestinal Tract Bleed 24. Acute Liver Failure 25. Pre- and Post-operative Management of a Liver Transplant Patient 26. Nutrition in Critically Ill Children 27. Dengue in Pediatric Intensive Care Unit 28. Management of a Child with Polytrauma 29. Drowning 30. Pediatric Emergency Care: Poisoning and Toxidromes 31. Envenomation (Snake Envenomation and Scorpion Sting) 32. Oncological Emergencies 33. Blood Components in Intensive Care Practice 34. Ventilator Associated Pneumonia and Hospital Acquired Pneumonia 35. Catheter-Related Blood Stream Infection 36. Catheter Associated Urinary Tract Infection 37. Antimicrobial Stewardship in PICU 38. Pain and Sedation 39. Nursing Issues in the PICU 40. Extracorporeal Membrane Oxygenation Index

anatomy under rib cage: Practical Aspects of ECG Recording Jacqui Crawford, Linda Doherty, 2012 Practical Aspects of ECG Recording is for everyone who records or teaches ECGs. Most electrocardiography courses and textbooks skim over recording and place their main emphasis on interpretation. The purpose of this book is to shift the focus firmly back onto good recording technique as the fundamental starting point for developing ECG competency. Although the chapters are self-contained, pedagogical aids provide an opportunity to deepen learning through the integration of accumulated skills and knowledge. Each chapter contains review and comprehension questions, and key points which test the reader's understanding, skills and knowledge on newly acquired topic areas. Active learning is encouraged through the use of OCywhat ifOCO prediction style questions and clinical scenarios which allow the reader to apply critical thinking, reasoning and problem solving skills. Each chapter ends with a summary of the key points. This provides a brief outline of the main concepts and facts discussed providing a revision snapshot of the topic area.

anatomy under rib cage: Current Therapy in Pain Howard S. Smith, 2009-01-01 This unique resource focuses on the diagnosis and treatment of painful conditions-both acute and chronic-from a multi-disciplinary perspective. Joined by a team of nearly 200 international contributors representing a wide range of specialties, Dr. Smith presents the best management options within and across specialties. Succinct treatment and therapy guidelines enable you to quickly access clinically useful information, for both inpatient and outpatient pain management, while a 2-color format enhances readability and ease of use and highlights key concepts. And, as an Expert Consult title, it includes access to the complete contents online, fully searchable, plus links to Medline and PubMed abstracts-providing rapid, easy consultation from any computer! Includes access to the complete text online, fully searchable, plus links to Medline and PubMed abstracts-providing quick and convenient reference from anyplace with an Internet connection. Offers a cross-discipline approach to pain management for a comprehensive view of the best treatment options within and across specialties including internal medicine, gynecology, physical medicine and rehabilitation, orthopedics, and family medicine. Provides succinct treatment and therapy guidelines, enabling you to locate useful information quickly. Organizes guidance on acute and chronic therapies in a

templated format, to facilitate consistent, quick-access consultation appropriate for inpatient or outpatient pain management. Features a 2-color format that enhances readability and ease of use and highlights key concepts. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. If the next edition is published less than one year after your purchase, you will be entitled to online access for one year from your date of purchase. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

anatomy under rib cage: Oxford Textbook of Fundamentals of Surgery William E. G. Thomas, Malcolm W. R. Reed, Michael G. Wyatt, 2016-09-05 The Oxford Textbook of Fundamentals of Surgery provides a solid foundation of the knowledge and basic science needed to hone all of the core surgical skills used in surgical settings. Presented in a clear and accessible way, the Oxford Textbook of Fundamentals of Surgery addresses the cross-specialty aspects of surgery applicable to all trainees. With an emphasis on practical application and international best practice, it will support you to confidently deliver the highest

anatomy under rib cage: Gray's Anatomy E-Book Susan Standring, 2021-05-22 Susan Standring, MBE, PhD, DSc, FRC, Hon FAS, Hon FRCS Trust Gray's. Building on over 160 years of anatomical excellence In 1858, Drs Henry Gray and Henry Vandyke Carter created a book for their surgical colleagues that established an enduring standard among anatomical texts. After more than 160 years of continuous publication, Gray's Anatomy remains the definitive, comprehensive reference on the subject, offering ready access to the information you need to ensure safe, effective practice. This 42nd edition has been meticulously revised and updated throughout, reflecting the very latest understanding of clinical anatomy from the world's leading clinicians and biomedical scientists. The book's acclaimed, lavish art programme and clear text has been further enhanced, while major advances in imaging techniques and the new insights they bring are fully captured in state of the art X-ray, CT, MR and ultrasonic images. The accompanying eBook version is richly enhanced with additional content and media, covering all the body regions, cell biology, development and embryogenesis - and now includes two new systems-orientated chapters. This combines to unlock a whole new level of related information and interactivity, in keeping with the spirit of innovation that has characterised Gray's Anatomy since its inception. - Each chapter has been edited by international leaders in their field, ensuring access to the very latest evidence-based information on topics - Over 150 new radiology images, offering the very latest X-ray, multiplanar CT and MR perspectives, including state-of-the-art cinematic rendering - The downloadable Expert Consult eBook version included with your (print) purchase allows you to easily search all of the text, figures, references and videos from the book on a variety of devices - Electronic enhancements include additional text, tables, illustrations, labelled imaging and videos, as well as 21 specially commissioned 'Commentaries' on new and emerging topics related to anatomy - Now featuring two extensive electronic chapters providing full coverage of the peripheral nervous system and the vascular and lymphatic systems. The result is a more complete, practical and engaging resource than ever before, which will prove invaluable to all clinicians who require an accurate, in-depth knowledge of anatomy.

Related to anatomy under rib cage

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in

anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is, respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from head

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is, respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from head

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is, respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from

head

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is, respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from head

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is, respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from head

Human Anatomy Explorer | Detailed 3D anatomical illustrations There are 12 major anatomy systems: Skeletal, Muscular, Cardiovascular, Digestive, Endocrine, Nervous, Respiratory, Immune/Lymphatic, Urinary, Female Reproductive, Male Reproductive,

Human body | Organs, Systems, Structure, Diagram, & Facts human body, the physical substance of the human organism, composed of living cells and extracellular materials and organized into tissues, organs, and systems. Human

TeachMeAnatomy - Learn Anatomy Online - Question Bank Explore our extensive library of guides, diagrams, and interactive tools, and see why millions rely on us to support their journey in anatomy. Join a global community of learners and

Human anatomy - Wikipedia Human anatomy can be taught regionally or systemically; [1] that is,

respectively, studying anatomy by bodily regions such as the head and chest, or studying by specific systems, such

Human body systems: Overview, anatomy, functions | Kenhub This article discusses the anatomy of the human body systems. Learn everything about all human systems of organs and their functions now at Kenhub!

Open 3D Model | AnatomyTOOL Open Source and Free 3D Model of Human Anatomy. Created by Anatomists at renowned Universities. Non-commercial, University based. To learn, use and build on

Anatomy - MedlinePlus Anatomy is the science that studies the structure of the body. On this page, you'll find links to descriptions and pictures of the human body's parts and organ systems from head

Related to anatomy under rib cage

What Causes Pain Under Your Left Rib Cage and How to Treat It (Everyday Health on MSN6d) Learn about common causes of pain under the left rib cage, like heart, lung, and gut issues, and find out when to see a doctor

What Causes Pain Under Your Left Rib Cage and How to Treat It (Everyday Health on MSN6d) Learn about common causes of pain under the left rib cage, like heart, lung, and gut issues, and find out when to see a doctor

What To Know and Do About Pain Under Your Left Rib Cage (Health on MSN2mon) Pain under the left rib cage is not always a sign of something serious, but this part of your body houses several organs

What To Know and Do About Pain Under Your Left Rib Cage (Health on MSN2mon) Pain under the left rib cage is not always a sign of something serious, but this part of your body houses several organs

How many ribs does the human body have? Differences between men and women (Medical News Today6mon) Most people have 24 ribs, with 12 on each side of the body. No evidence indicates any difference between males and females. The ribs and rib cage are excellent examples of the human body's

How many ribs does the human body have? Differences between men and women (Medical News Today6mon) Most people have 24 ribs, with 12 on each side of the body. No evidence indicates any difference between males and females. The ribs and rib cage are excellent examples of the human body's

The 7 Most Likely Causes of the Pain Under Your Right Rib Cage (Everyday Health2mon) Pain under your right rib cage isn't uncommon, but figuring out the culprit can take some trial and error. The area underneath your right rib is home to several major

The 7 Most Likely Causes of the Pain Under Your Right Rib Cage (Everyday Health2mon) Pain under your right rib cage isn't uncommon, but figuring out the culprit can take some trial and error. The area underneath your right rib is home to several major

Reconstructed Rib Cage Offers Clues to How Neanderthals Breathed and Moved (PBS6y) Researchers used modern technology to virtually reconstruct a 60,000-year-old Neanderthal rib cage, potentially shedding light on how these hominids interacted with their environment.

ByKatherine J

Reconstructed Rib Cage Offers Clues to How Neanderthals Breathed and Moved (PBS6y) Researchers used modern technology to virtually reconstruct a 60,000-year-old Neanderthal rib cage, potentially shedding light on how these hominids interacted with their environment.

ByKatherine J