

Essential Respiratory Medicine Essentials

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Chest Medicine - Ronald B. George 2005

A favorite among residents and pulmonary fellows, this text provides all the information needed to evaluate and manage respiratory diseases and critically ill patients and to pass the American Board of Internal Medicine's subspecialty exam in pulmonary medicine. The Fifth Edition includes new information on ARDS, sedation of critically ill patients, rehabilitation for COPD, care of elderly patients, genetic testing for asthma, CTA and other diagnostic techniques for pulmonary thromboembolism, new antifungal drugs without renal toxicity, new treatment guidelines for pneumothorax, and ventilators and noninvasive ventilation for respiratory failure. This edition also includes more algorithms and differential diagnosis tables.

West's Pulmonary Pathophysiology - John B. West 2021-03-22

Reflecting the trusted expertise of Dr. John B. West and Dr. Andrew M. Luks, West's Pulmonary Pathophysiology: The Essentials, Tenth Edition offers accessible explanations of disease processes that affect the respiratory system. This best-selling companion to West's Respiratory Physiology: The Essentials, 11th Edition, has served generations of students and practitioners who work with respiratory patients, presenting vital knowledge in a concise, straightforward manner that's easy to understand. Building on this legacy of success, the tenth edition is updated throughout with the latest clinical perspectives, new images, clinical vignettes, and enhanced USMLE-style review questions to help students excel in today's changing healthcare practice.

Essentials of Clinical Pulmonology - Pallav L Shah 2020-06-30

Concise yet comprehensive, this textbook of clinical pulmonology provides pulmonologists and respiratory disease physicians with all the key information that they need to know to manage the patient through the diagnosis and treatment journeys. From the most common condition to the rarest, each disease is consistently presented and comprehensively covered giving the reader just the key facts. Building upon the basic sciences and integrating these with clinical practice, each chapter has a consistent approach, is highly designed and visually appealing. Numerous illustrations, colour photographs, scans, bullet points, tables and algorithms ensure that the key information is available at a glance. The keynote sections serve as a useful revision aid as do the multiple choice questions. A truly international and highly experienced editorship with expert contributors from around the world ensure that the book remains a trusted source of information. Set at the level between the definitive reference work and the clinical manual, Essentials of Clinical Pulmonology is an invaluable cornerstone for all pulmonologists whether trainees or experienced clinicians.

Essentials of Medical Biochemistry - Chung-Eun Ha 2011-01-28

Expert biochemist N.V. Bhagavan's new work condenses his successful Medical Biochemistry texts along with numerous case studies, to act as an extensive review and reference guide for both students and experts alike. The research-driven content includes four-color illustrations throughout to develop an understanding of the events and processes that are occurring at both the molecular and macromolecular levels of physiologic regulation, clinical effects, and interactions. Using thorough introductions, end of chapter reviews, fact-filled tables, and related multiple-choice questions, Bhagavan provides the reader with the most condensed yet detailed biochemistry overview available. More than a quick survey, this comprehensive text includes USMLE sample exams from Bhagavan himself, a previous coauthor. * Clinical focus emphasizing relevant physiologic and pathophysiologic biochemical concepts * Interactive multiple-choice questions to prep for USMLE exams * Clinical case studies for understanding basic science, diagnosis, and treatment of human diseases * Instructional overview figures, flowcharts, and tables to enhance understanding

Essential Respiratory Medicine - Shanthi Paramothayan 2019-01-04

A succinct yet comprehensive overview of respiratory medicine, written

for students and professionals Essential Respiratory Medicine is an indispensable text offering an understanding of respiratory conditions and their clinical management within evidence-based guidelines. Containing information on taking a medical history, performing examinations and investigations, diagnosis and the management of respiratory conditions, this comprehensive text was put together by a noted expert in the field. Written in an accessible manner, Essential Respiratory Medicine contains the foundational science associated with respiratory medicine, a wide-variety of practical procedures, helpful diagrams, and self-assessments designed to enhance understanding of the material presented. The text covers a variety of conditions as well as providing suggestions for engaging with patients at different stages of care. This important resource: Demonstrates an effective approach to patients presenting with common respiratory symptoms Includes a description of all key practical procedures with diagrams Discusses acute management of important respiratory emergencies Covers both acute and chronic disease Contains a companion website containing a range of learning materials, including downloadable management summaries and algorithms, an image bank, videos of patient examination, example respiratory sounds and multiple-choice questions Essential Respiratory Medicine is an essential resource for anyone on a clinical placement, rotation, or training programme in respiratory medicine.

Essentials of Internal Medicine - eBook - Nicholas J. Talley 2020-10-15

Written by Nicholas J Talley, Simon O'Connor and Brad Frankum, this engaging and instructive text provides practical pathways to diagnosis and up-to-date strategies for implementing evidence-based treatments for prevalent conditions. Learn how to: identify what is clinically important understand and investigate disease create an effective strategy for treatment use technological diagnostic tools. This new edition of Essentials of Internal Medicine 4e describes established and trusted diagnostic techniques to equip students and trainees with the skills to succeed in their profession. The visually dynamic text offers a framework of knowledge covering core facts and addressing difficult-to-master topics such as: holistic approach to patient treatment the importance of diagnosis the physician's role in public health the physician as scholar. Contributions from expert clinicians leading the advancement of medicine globally Need-to-know 'clinical pearls' throughout each chapter Memory jog lists and tables Multiple choice questions with end-of-chapter answers and extensive explanations Enhanced eBook version included with purchase

Essentials of Body MRI - William E. Brant 2012-02-03

Essentials of Body MRI extensively covers the field, offering clear and detailed guidance on MRI as an invaluable tool for the primary diagnosis and problem solving of diseases of the body, including the abdomen, liver, pancreas, pelvis, heart, urinary tract, and great vessels. The beginning chapters focus on the physics, pulse sequences, and other practical considerations related to body MR imaging, explained in an easy to understand way, to help the reader fully comprehend the imaging appearance of clinical disease. The remaining chapters discuss clinical applications, with topics spanning from the normal anatomic structures and diagnosis of abdominal, pelvic, cardiac, and vascular diseases to the modality's role as a tool for solving diagnostic problems. The key points of each chapter are boxed as Essentials to Remember for rapid review and learning. Written in clear, accessible text, and featuring 887 figures and numerous tables, Essentials of Body MRI is a resource that radiology residents, fellows, and anyone else who wants to learn about Body MRI, will turn to again and again.

Difficult To Treat Asthma - Sandhya Khurana 2019-08-29

This book provides a practical, stepwise, evidence-based approach to effective management of patients with difficult to treat asthma. The impact of asthma on morbidity and healthcare utilization increases exponentially with severity. Severe refractory asthma accounts for less

than 5% of all asthma. Its prevalence, however, is often overestimated as there are several other confounding factors that make asthma 'difficult to treat'. Many novel (albeit expensive) therapies are now available and providers caring for patients with severe asthma are charged with selecting the best evidence treatment. This calls for complex and nuanced decision-making. Whether people with asthma gain and maintain control over their condition depends not only on the availability of effective drugs, but also multiple patient and healthcare provider behaviors. Therefore, now more than ever, it has become increasingly important to differentiate "difficult" from "severe refractory" asthma to allow identification of patients most likely to benefit from these therapies. This volume delves into the current understanding of mechanisms and increasingly recognized heterogeneity of this complex disease. It discusses a structured approach to identification and optimization of factors contributing to poor asthma control, including nonadherence, comorbidities and occupational/environmental triggers. The book includes 'state of the art' reviews on recent advances in traditional and targeted asthma therapies, as well as a glimpse into what the future may hold. Highlights include a comprehensive guide to management of severe asthma in children and pregnancy, as well as practical considerations to management of asthma based on different clinical phenotypes. Each chapter is authored by leading experts in the field who share their own clinical approach. This is an ideal guide for clinical pulmonologists and allergist/immunologists, as well as primary care providers, physician extenders in specialty practice, physicians in pulmonary/allergy training, and even industry partners.

Essential Travel Medicine - Jane N. Zuckerman 2015-07-20

This 1st edition of Essential Travel Medicine provides an excellent concise introduction to the specialty of Travel Medicine. This core text will enable health care practitioners particularly those new to the clinical practice of Travel Medicine, to gain a fundamental understanding of the diverse and complex issues which can potentially affect the health of the many millions of people who undertake international travel. Jane N Zuckerman is joined by Gary W Brunette from CDC and Peter A Leggat from Australia as Editors. Leading international specialists in their fields have contributed authoritative chapters reflecting current knowledge to facilitate best clinical practice in the different aspects of travel medicine. The aim of Essential Travel Medicine is to provide a comprehensive guide to Travel Medicine as well as a fundamental knowledge base to support international undergraduate and postgraduate specialty training programmes in the discipline of Travel Medicine. The 1st edition of Essential Travel Medicine offers an indispensable resource of essential information for travel health practitioners, infectious disease specialists, occupational health specialists, public health specialists, family practitioners, pharmacists and other allied health professionals. This core text will appeal similarly to those training in Travel Medicine and to those who want a concise introduction to the subject or an ideal revision companion.

Principles of Pulmonary Medicine - Steven E. Weinberger 1998

The extensively updated 3rd Edition correlates basic pathophysiologic principles with physiologic, radiologic, and clinical management of disease to provide a user-friendly approach to the study of pulmonary medicine. This edition presents current information and therapies on cystic fibrosis, lung cancer, pulmonary hypertension, tuberculosis, and respiratory failure. Contains updates on interstitial lung disease, new pathophysiology of asthma and more!

Essentials of Nuclear Medicine and Molecular Imaging E-Book - Fred A. Mettler 2018-08-17

Covering both the fundamentals and recent developments in this fast-changing field, Essentials of Nuclear Medicine and Molecular Imaging, 7th Edition, is a must-have resource for radiology residents, nuclear medicine residents and fellows, nuclear medicine specialists, and nuclear medicine technicians. Known for its clear and easily understood writing style, superb illustrations, and self-assessment features, this updated classic is an ideal reference for all diagnostic imaging and therapeutic patient care related to nuclear medicine, as well as an excellent review tool for certification or MOC preparation. Provides comprehensive, clear explanations of everything from principles of human physiology, pathology, physics, radioactivity, radiopharmaceuticals, radiation safety, and legal requirements to hot topics such as new brain and neuroendocrine tumor agents and hybrid imaging, including PET/MR and PET/CT. Covers the imaging of every body system, as well as inflammation, infection and tumor imaging; pearls and pitfalls for every chapter; and pediatric doses and guidelines in compliance with the Image Gently and Image Wisely programs. Features a separate self-

assessment section on differential diagnoses, imaging procedures and artifacts, and safety issues with unknown cases, questions, answers, and explanations. Includes new images and illustrations, for a total of 430 high-quality, multi-modality examples throughout the text. Reflects recent advances in the field, including updated nuclear medicine imaging and therapy guidelines • Updated dosimetry values and effective doses for all radiopharmaceuticals with new values from the 2015 International Commission on Radiological Protection • Updated information regarding advances in brain imaging, including amyloid, dopamine transporter and dementia imaging • Inclusion of Ga-68 DOTA PET/CT for neuroendocrine tumors • Expanded information on correlative and hybrid imaging with SPECT/CT • New myocardial agents • and more. Contains extensive appendices including updated comprehensive imaging protocols for routine and hybrid imaging, pregnancy and breastfeeding guidelines, pediatric dosages, non-radioactive pharmaceuticals used in interventional and cardiac stress imaging, and radioactivity conversion tables.

Davidson's Essentials of Medicine E-Book - J. Alastair Innes 2015-03-17

For over half a century Davidson's Principles and Practice of Medicine has informed and educated students, doctors and other health professionals all over the world, providing a comprehensive account of the practice of medicine. Davidson's Essentials of Medicine provides the core content of the main textbook in a condensed format which will be invaluable whenever you are on the move - whether commuting, travelling between training sites, or on electives. This book provides a distillation of the core information required for clinical studies in medicine. While retaining the acclaimed readability of the main textbook it presents the key information in a format more appropriate for practical clinical work. The contents have been carefully selected by a team of junior doctors, emphasising only the topics that will be essential for clinical studies. The book includes additional chapters of content to aid clinical practice including a practically-focussed chapter on therapeutics and a useful guide to interpreting major clinical investigations. The text draws directly on the depth and breadth of experience of the Davidson's authors and its International Advisory Board. Updated to include key changes and new illustrations included in Davidson's Principles and Practice of Medicine.

Essential Neonatal Medicine - Sunil Sinha 2017-07-03

Providing a comprehensive yet concise guide for trainee doctors, neonatal nurses and midwives, Essential Neonatal Medicine continues to be an indispensable resource that combines the depth and breadth of a textbook with the efficiency of a revision guide. Extensively updated and full-colour throughout, this edition includes new chapters on neonatal transport and palliative care, as well as further content on pathophysiology and embryology, quality improvement and risk management, infection control, and non-invasive ventilation. With an improved artwork programme and a new glossary of terms, Essential Neonatal Medicine is ideal for all trainee health professionals new to neonatology, or looking for a comprehensive aid to support them.

AACN Essentials of Critical Care Nursing, Second Edition - Marianne Chulay 2010-05-24

The authoritative, evidence-based coverage you need to safely and competently care for adult, critically ill patients and their families - or prepare for the critical care nursing certification exam Endorsed by the American Association of Critical-Care Nurses and written by top clinical experts in acute care nursing, this textbook thoroughly covers all the need-to-know details on the care of adult, critically ill patients and their families. Supported by helpful tables and algorithms, the book's practical, building-block organization starts with the basics before proceeding to more complex concepts, paralleling the blueprint for the critical care nursing CCRN certification examination. AACN Essentials of Critical Care Nursing is divided into four logical sections, which, taken as a whole, will give you complete understanding of this challenging area of nursing practice: The Essentials - provides fundamental information that new clinicians must understand to provide safe, competent nursing care to all critically ill patients, regardless of their underlying medical diagnosis. Pathological Conditions - covers pathologic conditions and management strategies commonly encountered in all adult critical care units. Advanced Concepts in Caring for the Critically Ill Patient - presents advanced critical care concepts or pathologic conditions that are less common or more specialized than those generally found in adult critical care units. Key Reference Information - includes reference information that you will find helpful in a clinical environment, such as normal laboratory and diagnostic values, algorithms for advanced

cardiac life support, and summary tables of critical care drugs and cardiac rhythms Each chapter begins with Knowledge Competencies that can be used to gauge your progress. This edition is compatible with ECCO (Essentials of Critical Care Orientation), the online program offered by the American Association of Critical-Care Nurses.

Essentials of Medical Meteorology - Mladjen Ćurić 2021-11-30

This book discusses the impacts that weather and climate have on human physical health, longevity, and mental wellness, and acts as a guide to the application of meteorological science in health care. It provides a background on biometeorology by covering basic concepts of human anatomy and meteorology, and how modern biometeorological science can be incorporated into medical practice through diagnosis, prevention and treatment of physical and mental diseases. The recommendations, advice and preventive measures addressed in this book aim to help people adapt to different weather phenomena and changes to minimize negative health consequences, which is increasingly relevant as climate change and its effects on human health become more pronounced and studied. The book is intended for environmental epidemiologists, medical students, physicians, health care providers, climate scientists, insurance industries and policy makers, but will also appeal to general enthusiasts of atmospheric, climate and medical sciences.

Harrison's Pulmonary and Critical Care Medicine, 3E - Joseph Loscalzo 2016-09-22

Pulmonary and Critical Care Medicine - as only Harrison's can cover it A Doody's Core Title for 2017! Featuring a superb compilation of chapters related to pulmonary and critical care topics derived from Harrison's Principles of Internal Medicine, Nineteenth Edition (including content from the acclaimed Harrison's DVD, now available here in print), this concise, full-color clinical companion delivers the latest knowledge in the field backed by the scientific rigor and authority that have defined Harrison's. You will find 45 chapters from more than 70 renowned editors and contributors in a carry-anywhere presentation that is ideal for the classroom, clinic, ward, or exam/certification preparation.

Features: • Logically divided into five sections that reflect the scope of pulmonary and critical care medicine: Diagnosis of Respiratory Disorders, Diseases of the Respiratory System, General Approach to the Critically Ill Patient, Common Illnesses and Syndromes, and Disorders Complicating Critical Illnesses and Their Management • Integration of pathophysiology with clinical management • High-yield board review questions make this text ideal for keeping current or preparing for the boards • Valuable appendix of laboratory values of clinical importance

Basics of Mechanical Ventilation - Hooman Poor 2018-07-13

This book is a practical and easily understandable guide for mechanical ventilation. With a focus on the basics, this text begins with a detailed account of the mechanisms of spontaneous breathing as a reference point to then describe how a ventilator actually works and how to effectively use it in practice. The text then details: the various modes of ventilation commonly used in clinical practice; patient-ventilator interactions and dyssynchrony; how to approach a patient on the ventilator with respiratory decompensation; the optimal ventilator management for common disease states like acute respiratory distress syndrome and obstructive lung disease; the process of ventilator weaning; and hemodynamic effects of mechanical ventilation. Written for medical students, residents, and practicing physicians in a variety of different specialties (including internal medicine, critical care, surgery and anesthesiology), this book will instruct readers on how to effectively manage a ventilator, as well as explain the underlying interactions between it and the critically ill patient.

Oxford Desk Reference: Critical Care - Carl Waldmann 2008-11-27

Critical care medicine is an evolving speciality in which the amount of available information is growing daily and spread across a myriad of books, journals and websites. This essential guide brings together this information in an easy-to-use format. Up-to-date, relevant, and evidence-based information on the management of the critically ill is combined in one resource, ideal for the use of Intensive Care Units, High Dependency Units, acute medical or surgical wards, Accident and Emergency departments and operating theatres. The book is designed such that each subject will form a self-contained topic in its own right, laid out across two or four pages to facilitate the key aim of rapid and easy access to information. This makes the information included simple to find, read and absorb, so that the book can be consulted in the clinic or ward setting for information on the optimum management of a particular condition. With chapters written by internationally renowned critical care specialists and edited by the three of the leading figures in UK Critical Care, this book should be an essential resource for all critical

care physicians.

Crash Course Respiratory Medicine - Hannah Lawrence 2018-11-30
Crash Course - your effective every-day study companion PLUS the perfect antidote for exam stress! Save time and be assured you have the essential information you need in one place to excel on your course and achieve exam success. A winning formula now for over 20 years, each series volume has been fine-tuned and fully updated - with an improved full-colour layout tailored to make your life easier. Especially written by senior students or junior doctors - those who understand what is essential for exam success - with all information thoroughly checked and quality assured by expert Faculty Advisers, the result are books which exactly meet your needs and you know you can trust. Each chapter guides you succinctly through the full range of curriculum topics, integrating clinical considerations with the relevant basic science and avoiding unnecessary or confusing detail. A range of text boxes help you get to the hints, tips and key points you need fast! A fully revised self-assessment section matching the latest exam formats is included to check your understanding and aid exam preparation. The accompanying enhanced, downloadable eBook completes this invaluable learning package. Series volumes have been honed to meet the requirements of today's medical students, although the range of other health students and professionals who need rapid access to the essentials of respiratory medicine will also love the unique approach of Crash Course. Whether you need to get out of a fix or aim for a distinction Crash Course is for you! Provides the exam syllabus in one place - saves valuable revision time Written by senior students and recent graduates - those closest to what is essential for exam success Quality assured by leading Faculty Advisers - ensures complete accuracy of information Features the ever popular 'Hints and Tips' boxes and other useful aide-mémoires - distilled wisdom from those in the know Updated self-assessment section matching the latest exam formats - confirm your understanding and improve exam technique fast

Crash Course Respiratory Medicine - Hannah Lawrence 2018-11-28
Crash Course - your effective every-day study companion PLUS the perfect antidote for exam stress! Save time and be assured you have the essential information you need in one place to excel on your course and achieve exam success. A winning formula now for over 20 years, each series volume has been fine-tuned and fully updated - with an improved full-colour layout tailored to make your life easier. Especially written by senior students or junior doctors - those who understand what is essential for exam success - with all information thoroughly checked and quality assured by expert Faculty Advisers, the result are books which exactly meet your needs and you know you can trust. Each chapter guides you succinctly through the full range of curriculum topics, integrating clinical considerations with the relevant basic science and avoiding unnecessary or confusing detail. A range of text boxes help you get to the hints, tips and key points you need fast! A fully revised self-assessment section matching the latest exam formats is included to check your understanding and aid exam preparation. The accompanying enhanced, downloadable eBook completes this invaluable learning package. Series volumes have been honed to meet the requirements of today's medical students, although the range of other health students and professionals who need rapid access to the essentials of respiratory medicine will also love the unique approach of Crash Course. Whether you need to get out of a fix or aim for a distinction Crash Course is for you! Provides the exam syllabus in one place - saves valuable revision time Written by senior students and recent graduates - those closest to what is essential for exam success Quality assured by leading Faculty Advisers - ensures complete accuracy of information Features the ever popular 'Hints and Tips' boxes and other useful aide-mémoires - distilled wisdom from those in the know Updated self-assessment section matching the latest exam formats - confirm your understanding and improve exam technique fast

Revision Notes for the Respiratory Medicine Specialty Certificate Examination - Caroline Patterson 2012-09-13

Comprising of best of five multiple choice questions, detailed answers and separate revision notes, Revision Notes for the Respiratory Medicine Specialty Certificate Examination is the only book you need to prepare for this important examination.

COVID-19 - Jie-Ming Qu 2020-10-22

COVID-19: The Essentials of Prevention and Treatment elaborates on the ethology, pathogenesis, epidemiology, clinical characteristics, treatment principles, rehabilitation and prevention, and prevention and control measures for COVID-19. Aimed at healthcare workers, and written to be a practical guide, six chapters cover the following aspects of COVID-19:

respiratory viruses; pathogenesis; case definitions and diagnosis; treatment; prevention and disease control; and prospects for the management and research of respiratory virus infections. This book gives first-hand information on the prevention, control, diagnosis and treatment of COVID-19. COVID-19 was recognized as a pandemic in March 2020 by the World Health Organization. It is a disease caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).

Physicians working in China, particularly where the outbreak was first identified in Wuhan, have built up knowledge of prevention and control measures, and diagnosis and treatment of this disease. These insights are now globally relevant. The authors of this book are senior physicians specializing in respiratory diseases, pulmonary diseases and critical care medicine, and are all clinical and scientific research experts working in China, with particular experience in Wuhan. Describes the prevention, control, diagnosis and treatment of COVID-19 Offers practical guidance to healthcare professionals for COVID-19 Gives clinical insights in a question and answer format Details first-hand experience in Chinese cities during the initial outbreak Presents insights that healthcare professionals need to prevent, diagnose, and treat COVID-19

Fundamentals of Sleep Medicine E-Book - Richard B. Berry
2011-07-18

Written by Richard Berry, MD, author of the popular Sleep Medicine Pearls, Fundamentals of Sleep Medicine is a concise, clinically focused alternative to larger sleep medicine references. A recipient of the 2010 AASM Excellence in Education award, Dr. Berry is exceptionally well qualified to distill today's most essential sleep medicine know-how in a way that is fast and easy to access and apply in your practice. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Compatible with Kindle®, nook®, and other popular devices. Get clear guidance on applying the AASM scoring criteria. Reinforce your knowledge with more than 350 review questions. Get the answers you need quickly thanks to Dr. Berry's direct and clear writing style. Access the complete contents online at Expert Consult, including videos demonstrating parasomnias, leg kicks, and more.

Nelson Essentials of Pediatrics, E-Book - Karen Marcdante
2022-02-21

Concise, readable, and up to date, Nelson Essentials of Pediatrics, 9th Edition, provides the must-know information you need in pediatrics from the name you trust. A readable, full-color format; high-yield, targeted chapters; and thorough content updates ensure strong coverage of core knowledge as well as recent advances in the field. This focused resource is ideal for medical students, pediatric residents, PAs, and nurse practitioners in various educational and practice settings, including pediatric residencies, clerkships, and exams. Covers normal childhood growth and development, as well as the diagnosis, management, and prevention of common pediatric diseases and disorders. Contains new coverage of COVID-19, Multisystem Inflammatory Syndrome in Children (MIS-C), and Vaping-Induced Lung Injury. Includes Pearls for Practitioners at the end of each section, as well as updated immunization schedules and an expanded discussion of trauma-informed care. Features well written, high-yield coverage throughout, following COMSEP curriculum guidelines relevant to your pediatric clerkship or rotation. Uses a full-color format with images and numerous new tables throughout, so you can easily visualize complex information. Provides real-world insights from chapter authors who are also Clerkship Directors, helping you gain the knowledge and skills necessary to succeed both in caring for patients and in preparing for clerkship or in-service examinations.

Oxford Handbook of Respiratory Medicine - Stephen Chapman 2014

Respiratory ailments are the most common reason for emergency admission to hospital, the most common reason to visit the GP, and cost the NHS more than any other disease area. This pocket-sized handbook allows instant access to a wealth of information needed in the day-to-day practice of respiratory medicine.

Medical Ventilator System Basics: a Clinical Guide - Yuan Lei
2017-06-08

A user-friendly guide to the basic principles and the technical aspects of mechanical ventilation and modern complex ventilator systems
Cardiopulmonary Anatomy & Physiology: Essentials of Respiratory Care - Terry Des Jardins 2012-04-03

Now in its 6th edition, the best-selling text, CARDIOPULMONARY ANATOMY & PHYSIOLOGY, equips students with a rock-solid foundation in anatomy and physiology to help prepare them for careers as respiratory therapists. Extremely reader friendly, this proven, innovative text delivers the most complete and accurate information about the

structure and function of the respiratory system in an approachable manner. Clear and concise, it presents complicated concepts in an easy-to-read, understandable format utilizing a full color design and strong pedagogy, so that students can readily apply what they learn when they graduate and start their professional careers. Newly integrated throughout the text, Clinical Connections provide direct links between chapter concepts and real-world applications in the clinical setting. New and redrawn full color illustrations provide the level of detail necessary to facilitate understanding of core concepts. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Principles and Practice of Hospital Medicine - Sylvia McKean
2012-04-19

The goal of the book is provide trainees, junior and senior clinicians, and other professionals with a comprehensive resource that they can use to improve care processes and performance in the hospitals that serve their communities. Includes case studies.

Egan's Fundamentals of Respiratory Care - Robert M. Kacmarek
2020-03-09

Learn the principles and skills you'll need as a respiratory therapist! Egan's Fundamentals of Respiratory Care, 12th Edition provides a solid foundation in respiratory care and covers the latest advances in this ever-changing field. Known as "the bible for respiratory care," this text makes it easy to understand the role of the respiratory therapist, the scientific basis for treatment, and clinical applications. Comprehensive chapters correlate to the 2020 NBRC Exam matrices, preparing you for clinical and exam success. Written by noted educators Robert Kacmarek, James Stoller, and Albert Heuer, this edition includes new chapters on heart failure as well as ethics and end-of-life care, plus the latest AARC practice guidelines. Updated content reflects the newest advances in respiratory care, preparing you to succeed in today's health care environment. UNIQUE! Mini-Clinis provide case scenarios challenging you to use critical thinking in solving problems encountered during actual patient care. Decision trees developed by hospitals highlight the use of therapist-driven protocols to assess a patient, initiate care, and evaluate outcomes. Rules of Thumb highlight rules, formulas, and key points that are important to clinical practice. Learning objectives align with the summary checklists, highlighting key content at the beginning and at the end of each chapter, and parallel the three areas tested on the 2020 NBRC Exam matrices. Learning resources on the Evolve companion website include an NBRC correlation guide, image collection, lecture notes, Body Spectrum electronic anatomy coloring book, and an English/Spanish glossary. Student workbook provides a practical study guide reflecting this edition of the text, offering numerous case studies, experiments, and hands-on activities. Available separately. Full-color design calls attention to the text's special features and promotes learning. Glossary includes key terms and definitions needed for learning concepts. NEW Heart Failure chapter covers the disease that is the most frequent cause of unscheduled hospital admissions. NEW Ethics and End-of-Life Care chapter explains related issues and how to help patients and their families. NEW! Improved readability makes the text easier to read and concepts easier to understand. NEW! Updated practice guidelines from the AARC (American Association for Respiratory Care) are included within the relevant chapters. NEW! Updated chapters include topics such as arterial lines, stroke, ACLS, PALS, hemodynamics, polysomnography, waveform interpretation, and laryngectomy. NEW! Streamlined format eliminates redundancy and complex verbiage.

Applied Respiratory Pathophysiology - Louis-Philippe Boulet 2017-11-22

This easy yet comprehensive reference guide covers the mechanisms of respiratory diseases, explaining the main respiratory conditions for clinicians and postgraduate trainees. It discusses their aetiology as well as the basic concepts required to effectively evaluate and treat them. Applied Respiratory Pathophysiology is the first book to bring together detailed, clinically-relevant explanation of respiratory physiological processes and pathophysiological processes in one text. It is essential reading for anyone diagnosing and treating specific clinical conditions of the lungs.

Essentials of Respiratory Care - Robert M. Kacmarek, PhD, RRT, FAARC
2005-01-07

The new edition of this essential resource covers core areas of respiratory care in a convenient outline format that makes it a great quick-reference guide, a handy review tool for credentialing examinations, and a comprehensive reference guide for clinical practice. Key topics include basic science; anatomy and physiology of the respiratory, cardiovascular, renal, and neurological systems; and

therapeutic aspects of neonatal, pediatric, and adult respiratory care. Also features extensive coverage of pharmacology and infection control. The convenient outline format breaks information down into manageable bits of information that make it ideal for study, review, and quick reference. The comprehensive coverage of key topics - from introductory material through therapeutic care - consolidates the full spectrum of respiratory care into one essential resource. Completely updated to reflect the significant advancements in the field of respiratory care. Reflects the required core content of the most recent National Board for Respiratory Care (NBRC) examination matrix, ensuring the most up-to-date competency requirements for certification. Features new chapters on ventilatory management for obstructive pulmonary disease, adult respiratory distress syndrome, NIPPV, tracheal gas insufflation, prone positioning, and liquid ventilation. A redesigned format provides easier navigation through the text.

Pulmonary Pathophysiology--the Essentials - John Burnard West 1998

This companion monograph to West's Respiratory Physiology, which looks at normal respiratory function, focuses instead on the function of the diseased lung. The text offers a concise overview of the disease states of the lung, emphasizing structure and function. For the Sixth Edition, the basic science will be updated to reflect advances in pulmonary pathophysiology in the last five years, including pulmonary function tests, pathophysiology of asthma, pulmonary edema, pulmonary hypertension, air pollution by aerosols, oxygen therapy, and mechanical ventilation. A second interior color is also new to this edition. Intended for second-year medical students taking system-based pathophysiology courses, this book will also prove useful to students in clerkship/rotation.

Essential Tuberculosis - Giovanni Battista Migliori 2021

This textbook covers the full spectrum of tuberculosis-related topics in a comprehensive yet easy-to-follow, readily accessible format. Filling a significant gap in tuberculosis literature, it addresses tuberculosis *sensu lato*, mirroring the content of the London Queen Mary University tuberculosis Diploma. Covering all aspects related to this condition, from prevention, diagnosis and treatment to public and global health, the book provides a broad overview of tuberculosis management. Further, it includes a wealth of case studies and exercises, making it an essential guide for all staff involved in tuberculosis management. Written by an international and interdisciplinary panel of experts, the book appeals to a broad readership including students, postdoctoral fellows, clinicians, researchers, and nurses, as well as public health officers working in tuberculosis control programs.

Respiratory Physiology - John B. West 1975

Essentials of Mechanical Ventilation, Third Edition - Dean Hess 2014-05-22

A practical application-based guide to adult mechanical ventilation. This trusted guide is written from the perspective of authors who have more than seventy-five years' experience as clinicians, educators, researchers, and authors. Featuring chapters that are concise, focused, and practical, this book is unique. Unlike other references on the topic, this resource is about mechanical ventilation rather than mechanical ventilators. It is written to provide a solid understanding of the general principles and essential foundational knowledge of mechanical ventilation as required by respiratory therapists and critical care physicians. To make it clinically relevant, *Essentials of Mechanical Ventilation* includes disease-specific chapters related to mechanical ventilation in these conditions. *Essentials of Mechanical Ventilation* is divided into four parts: Part One, Principles of Mechanical Ventilation describes basic principles of mechanical ventilation and then continues with issues such as indications for mechanical ventilation, appropriate physiologic goals, and ventilator liberation. Part Two, Ventilator Management, gives practical advice for ventilating patients with a variety of diseases. Part Three, Monitoring During Mechanical Ventilation, discusses blood gases, hemodynamics, mechanics, and waveforms. Part Four, Topics in Mechanical Ventilation, covers issues such as airway management, aerosol delivery, and extracorporeal life support. *Essentials of Mechanical Ventilation* is a true "must read" for all clinicians caring for mechanically ventilated patients.

Essentials of Kumar and Clark's Clinical Medicine E-Book - Anne Ballinger 2011-09-29

Mini Kumar & Clark goes into its fifth edition! New to this best-selling, portable, quick reference to clinical medicine: Fully updated in line with the latest edition of Kumar & Clark's Clinical Medicine. New chapter on malignant disease. Practical procedures and therapeutics taken into individual chapters as appropriate. From reviews of the previous edition:

'This really is an excellent medical textbook ... Easily covers undergraduate medicine.' 'Pocket Essentials is a great little book to review the night before you start on a rotation. It is small enough that you can easily read over the chapter and then appear on the ward with a good idea of what is going on.' 'In short this book is concise, succinct and gets straight to the point.' 'This book summarises everything you need to know: causes, diagnoses and treatments.' 'I am finding this book very helpful and more importantly very concise. It has most things you need to know about common clinical pathologies.' '... I turned to Pocket Essentials of Clinical Medicine as my clinical medicine reference guide - and what a guide! An excellent book, which gives you the clinical features, investigations and management for a whole variety of different illnesses. The book is clearly laid out, and even has normal blood chemistry values at the end. Do yourself a favour and buy this book!' 'This mini paperback is a must for anyone studying medicine. It gives all the information one would need and all without the pain of carrying around a large book.' 'I liked this book ... it was useful having a smaller reference book ... to carry around on wards etc. - it's more digestible and easier to follow than big K&C, and gives a little more background than the Oxford Handbook - and I know people who use it to revise for finals.'

Essentials of Clinical Pulmonology - Pallav Shah 2018-07-06

Concise yet comprehensive, this textbook of clinical pulmonology provides pulmonologists and respiratory disease physicians with all the key information that they need to know to manage the patient through the diagnosis and treatment journeys. From the most common condition to the rarest, each disease is consistently presented and comprehensively covered giving the reader just the key facts. Building upon the basic sciences and integrating these with clinical practice, each chapter has a consistent approach, is highly designed and visually appealing. Numerous illustrations, colour photographs, scans, bullet points, tables and algorithms ensure that the key information is available at a glance. The keynote sections serve as a useful revision aid as do the multiple choice questions. A truly international and highly experienced editorship with expert contributors from around the world ensure that the book remains a trusted source of information. * Concise yet thorough coverage ensures that the book is comprehensive in its approach * Each chapter is very consistent, synoptic and gives the key facts at a glance * Highly illustrated and visually appealing with numerous figures, photographs, boxes, red flags and clinical pearls * Truly international expert editors and contributors ensure that the book is a trusted source of information written by highly experienced teachers and clinicians. Set at the level between the definitive reference work and the clinical manual, *Essentials of Clinical Pulmonology* is an invaluable cornerstone for all pulmonologists whether trainees or experienced clinicians.

Essentials of Sleep Medicine - M. Safwan Badr 2014-01-25

Sleep disorders represent a major portion of the chief complaints seen by pulmonologists and other physicians. Sleep apnea and hypopnea syndrome for example, are common disorders with significant adverse health consequences. Sleep apnea is associated with increased cardiovascular mortality, impaired quality of life and increased motor vehicle accidents. In addition, sleep apnea often co-exists with other chronic conditions including obesity, the metabolic syndrome, and tobacco use disorder. Patients with sleep-related conditions often present with non-specific complaints that require a broad and detailed knowledge of the wide range of sleep disorders. In *Essentials of Sleep Medicine: An Approach for Clinical Pulmonology*, a concise, evidence-based review of sleep medicine for the pulmonologist is presented. Providing a focused, scientific basis for the effects of sleep on human physiology, especially cardiac and respiratory physiology, chapters also outline a differential diagnosis for common sleep complaints and an evidence-based approach to diagnosis and management. This includes a review of the current standards of practice and of emerging technology and unresolved issues awaiting further research. Each chapter includes a summary of current research and outlines future research directions and issues. In all, *Essentials of Sleep Medicine: An Approach for Clinical Pulmonology* provides a clear diagnostic and management program for all the different sleep disorders, with a major focus on respiratory disorders of sleep, and includes key points and summaries. Developed by an international group of renowned authors, *Essentials of Sleep Medicine: An Approach for Clinical Pulmonology* is an invaluable resource for pulmonologists, respiratory care practitioners, polysomnographic technologists, graduate students, clinical researchers, and other health professionals seeking an in-depth review of sleep medicine.

ABG Interpretation for Nurses - Nurse Edu 2020-08-29

Essentials of Global Health - Babulal Sethia 2018-03-19

This unique introduction to the essentials of global health has been constructed by medical students from all over the world through the help of Medsin (now Students for Global Health) and the International Federation of Medical Students' Association (IFMSA). The global student and trainee author team, recruited and guided initially by Drs Dan and Felicity Knights (themselves students and officers of Medsin when work

commenced), identified the key areas to be covered. Then the book they put together was edited by two experts in the field: Mr B Sethia and Professor Parveen Kumar. Royalties raised from this book go to a grant fund for student global health projects. Written by medical students and junior doctors from Students for Global Health and the International Federation of Medical Students' Association (IFMSA). Edited by two experts in the field, Mr B Sethia and Professor Parveen Kumar. Royalties go to a grant fund for student global health projects.