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"This brand new title in the ABC series provides a comprehensive overview of pre-hospital medicine, including transport, patient assessment, emergency care systems, and pre-hospital interventions. With pre-hospital care being the start of the "trauma chain", the treatment patients receive on-scene as well as en-route can be life-saving, and this new title is invaluable for all staff involved in emergency and pre-hospital medicine"--Provided by publisher.

Designed in a concise, easy-to-read style for a wide variety of medical occupations, the Rehab Clinical Pocket Guide is the ideal, handy reference for rehabilitation professionals and other health providers. Divided into four sections that cover inpatient care, clinical strategies, outpatient care, and additional diagnostics and therapeutics, this is the first book of its kind to contain all of the relevant clinical information needed on the rehabilitation unit, including topics such as medication dosing, consultant recommendations, specific rehabilitation goals and treatments, and even billing details for various diagnoses. The Rehab Clinical Pocket Guide offers all the clinical material needed to properly treat patients and excel in the field of physical medicine and rehabilitation and will prove an indispensable resource for therapists, nutritionists, medical students, and physicians alike.

" "This is a very useful board review for the neurophysiology sections in several board certification examinations. Anyone preparing for these examinations should have access to these prototypical questions and the explanations of the answers." --Doody's Reviews This high-yield, illustrated clinical neurophysiology board review is a comprehensive resource for assessing and refining the knowledge tested on multiple board examinations. Written by authors who are collectively board certified in all of the areas covered, the book is a valuable study tool for candidates preparing for certification or recertification in clinical neurophysiology, neuromuscular medicine, epilepsy, sleep medicine, and neurology. Using structured question formats typically encountered on boards, this comprehensive review allows users to assess their knowledge in a wide range of topics, provides rationales for correct answers, and explains why the other choices are incorrect. A unique "Pearls" section at the end of the book allows for quick review of the most important concepts prior to exam day. Clinical Neurophysiology Board Review Q&A contains 801 questions with answers and detailed explanations. The book is divided into eight chapters covering anatomy and physiology, electronics and instrumentation, nerve conduction studies and EMG, EEG, evoked potentials and intraoperative monitoring, sleep studies, ethics and safety, and advanced topics including QEEG, MEG, TES, autonomic testing, and more. Liberal use of image-based questions illustrating the full spectrum of neurophysiologic tests and findings build interpretive skills. Questions are randomized and include both case-related questions in series and stand-alone items to familiarize candidates with the question types and formats they will find on the exam. Key Features: ? Contains 801 high-yield board-type questions covering all areas of the complex subspecialty of clinical neurophysiology ? Q&A format with answers and detailed rationales to facilitate recall of must-know information and help identify knowledge gaps for further study ? Provides case-based questions in series to simulate full range of board question types ? Includes 148 state-of-the-art digital images to ensure familiarity with studies and findings that form a significant part of any certifying exam ? Contains unique "Pearls for Passing" section for quick review of key facts "

Written by outstanding authorities from all over the world, this comprehensive new textbook on pediatric and neonatal ventilation puts the focus on the effective delivery of respiratory support to children, infants and newborns. In the early chapters, developmental issues concerning the respiratory system are considered, physiological and mechanical principles are introduced and airway management and conventional and alternative ventilation techniques are discussed. Thereafter, the rational use of mechanical ventilation in various pediatric and neonatal pathologies is explained, with the emphasis on a practical step-by-step approach. Respiratory monitoring and safety issues in ventilated patients are considered in detail, and many other topics of interest to the bedside clinician are covered, including the ethics of withdrawal of respiratory support and educational issues. Throughout, the text is complemented by numerous illustrations and key information is clearly summarized in tables and lists.

Prepared by residents and attending physicians at Massachusetts General Hospital, this pocket-sized looseleaf is one of the best-selling references for medical students, interns, and residents on the wards and candidates reviewing for internal medicine board exams. In bulleted lists, tables, and algorithms, Pocket Medicine provides key clinical information about common problems in internal medicine, cardiology, pulmonary medicine, gastroenterology, nephrology, hematology-oncology, infectious diseases, endocrinology, and rheumatology. This Fifth Edition is fully updated and includes a sixteen-page color insert with key and classic abnormal images. If you purchased a copy of Sabatine: Pocket Medicine 5e, ISBN 978-1-4511-8237-8, please make note of the following important correction on page 1-36: Oral anticoagulation (Chest 2012;141:e531S; EHJ 2012;33:2719; Circ 2013;127:1916) All valvular AF as stroke risk very high Nonvalv. AF: stroke risk ~4.5%/y; anticoag @ 68% ↓ stroke; use a risk score to guide Rx: CHADS2: CHF (1 point), HTN (1), Age ≥75 y (1), DM (1), prior Stroke/TIA (2) CHA2DS2-VASc: adds 65-74 y (1) ≥75 y (2), vasc dis. [MI, Ao plaque, or PAD (1)]; ? (1) score ≥2 @ anticoag; score 1 @ consider anticoag or ASA (? latter reasonable if risk factor age 65-74 y, vasc dis. or ?); antithrombotic Rx even if rhythm control [SCORE CORRECTED] Rx options: factor Xa or direct thrombin inhib (non-valv only; no monitoring required) or warfarin (INR 2-3; w/ UFH bridge if high risk of stroke); if Pt refuses anticoag, consider ASA + clopi or, even less effective, ASA alone (NEJM 2009;360:2066) Please make note of this correction in your copy of Sabatine: Pocket Medicine 5e immediately and contact LWW's Customer Service Department at 1.800.638.3030 or 1.301.223.2300 so that you may be issued a corrected page 1-36. You may also download a PDF of page 1-36 by clicking [HERE](#). All copies of Pocket Medicine, 5e with the ISBN: 978-1-4511-9378-7 include this correction.

The most popular pocket reference in emergency nursing - now in a new edition! The Emergency & Critical Care Pocket Guide has been an essential resource for physicians, paramedics, and nurses for over a decade. The Pocket Guide consolidates critical information found in desk references into a convenient 3"x5" pocket-size format that is handy enough to take with you anywhere.

Noninvasive mechanical ventilation is an effective technique for the management of patients with acute or chronic respiratory failure. This comprehensive and up-to-date book explores all aspects of the subject. The opening sections are devoted to theory and equipment, with detailed attention to the use of full-face masks or helmets, the range of available ventilators, and

patient-ventilator interactions. Clinical applications are then considered in depth in a series of chapters that address the use of noninvasive mechanical ventilation in chronic settings and in critical care, both within and outside of intensive care units. Due attention is also paid to weaning from conventional mechanical ventilation, potential complications, intraoperative applications, and staff training. The closing chapters examine uses of noninvasive mechanical ventilation in neonatal and pediatric care. This book, written by internationally recognized experts, will be an invaluable guide for both clinicians and researchers.

"The editor of Operative Techniques in Otolaryngology presents this multi-disciplinary reference on the surgical and non-surgical therapies for sleep apnea and snoring. Internationally famous experts in all aspects of sleep medicine - including otolaryngology, oral surgery, and neurology - present their views for a comprehensive approach to treatment. From the development of Dr. Friedman's own Staging System to the reduced recuperation time of the popular somnoplasty and snoroplasty techniques to the management of complications, you'll have everything you need right at your fingertips." --Book Jacket.

The API (Association of Physicians of India) Textbook of Medicine consists of 28 sections across two comprehensive volumes covering a wide range of medical disorders. Fully revised and with 1588 images, illustrations and tables, this new edition has many new chapters on topics including nanotechnology and nano-medicine, and clinical approach to key manifestations. Each section is dedicated to a different medical phenomenon, including clinical pharmacology, endocrinology, dermatology, infectious diseases and nutrition. Also included is online access to teaching modules for teachers and students, questions and answers, an atlas/image bank, echocardiography and video EEG and common medical procedures with voice over.

Principles and Practice of Pediatric Sleep Medicine, 2nd Edition, written by preeminent sleep medicine experts Drs. Sheldon, Kryger, Ferber, and Gozal, is the most comprehensive source for diagnosing and managing sleep disorders in children. Newly updated and now in full color throughout, this medical reference book is internationally recognized as the definitive resource for any health practitioner who treats children, providing absolute guidance on virtually all of the sleep-associated problems encountered in pediatric patients. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Organized format separates coverage into Normal and Abnormal sleep for quick access to the key information you need. Abundantly referenced chapters help you to investigate topics further. Equips you with a complete understanding of both medical and psychiatric sleep disorders. New and expanded chapters regarding sleep related breathing disorders; parasomnias; differential diagnosis of pediatric sleep disorders; hypersomnia; school start times and implications; and the evaluation and management of circadian rhythm disturbances. Extensive coverage on obstructive sleep apnea, diagnosis and treatment; evaluation and management of sleepy children; evaluation and management of circadian rhythm abnormalities; and pharmacology.

The cognitive and behavioral implications of sleep deprivation have been noted in the medical literature for many years. In addition, emerging research continues to demonstrate the contribution of sleep deprivation to some of the most common and costly health conditions today. Sleep Deprivation and Disease provides clinically relevant scientific information to help clinicians, public health professionals, and researchers recognize the ramifications of sleep deprivation across a broad spectrum of health topics. This timely reference covers sleep physiology, experimental approaches to sleep deprivation and measurement of its consequences, as well as health and operational consequences of sleep deprivation. Clinical challenges and areas of uncertainty are also presented in order to encourage future advancements in sleep medicine and help patients avoid the outcomes associated with the myriad causes of sleep deprivation.

""Max Starkloff, a quadriplegic from the age of twenty-one, became an influential advocate for people with disabilities. Today, Starkloff's legacy continues to better the lives of disabled individuals throughout the United States"--

La crescita esponenziale dell'interesse per la ventilazione non invasiva (NIV) verificatasi negli ultimi 10-15 anni, non solo dal punto di vista clinico e applicativo, ma anche speculativo, ha pochi eguali nella recente storia della medicina. In Italia e in Europa in generale tale metodica è applicata su larga scala, prevalentemente nei reparti di Pneumologia e nelle Unità di Cure Intermedie Respiratorie, mentre per quanto riguarda la sua applicazione nei reparti di Terapia Intensiva Generale (UTI) i dati emersi da uno studio multicentrico condotto nei paesi francofoni vedono la NIV impiegata in una quantità di casi che rappresenta fino al 50% dei pazienti che richiedono assistenza ventilatoria. Il recente studio EUROVENT ha inoltre dimostrato come la NIV non si limiti alla sua applicazione "acuta", dal momento che circa 25.000 pazienti sono attualmente ventilati "in cronico" a domicilio. Inoltre, si calcola che milioni di cittadini europei soffrono attualmente di disturbi respiratori durante il sonno, e per molti di essi il trattamento medico di prima scelta è rappresentato dalla NIV. Questo libro si propone lo scopo di richiamare l'attenzione sulle più recenti acquisizioni in questo campo, con la speranza di fornire uno strumento valido e maneggevole per la scelta e l'impostazione della migliore modalità di ventilazione.

Now in full-colour, this eagerly-anticipated second edition continues to be the most comprehensive resource available on non-invasive ventilation (NIV), both in the hospital and at home. Reflecting a global perspective with expert contributors from more than 15 countries, the book: • provides clinical examples of NIV in practice with insightful vignettes • covers home- and intensive care-based ventilation • details NIV use in acute and chronic respiratory failure, plus paediatric and other specialty applications. Disease-specific sections provide best practice in the science, diagnostics and management of conditions such as COPD, cardiac failure, neuromuscular disease and obesity, while features such as 'Common Clinical Questions & Answers', abundant tables and illustrations, chapter summaries and new clinical vignettes showcase the realities of NIV in practice. This is essential reading for pulmonologists, critical care physicians and intensive care medicine specialists.

Updated to reflect the new 2005 emergency cardiovascular care guidelines! Popular author, Barbara Aehlert, incorporates both prehospital and hospital management of pediatric emergencies. In a concise, easy-to-read outline format, it provides the most essential information a provider needs. It is also the approved text for the American Safety & Health Institute's (ASHI) pediatric advanced life support course. For more information on ASHI courses, call 800-246-5101 or visit www.ashinstitute.org. Instructor resources available; contact your sales representative for details. An outline format featuring bulleted lists, concise tables, and a user-friendly writing style makes this comprehensive text incredibly easy to read and understand. A Pretest and a Posttest consisting of multiple choice, true/false, fill in the blank, and essay questions tests readers' overall comprehension of the material. Updated to reflect the new 2005 emergency

cardiovascular care guidelines. PALS Pearl Boxes help readers apply information covered in the text to real-life clinical situations. Sidebars contain additional information relevant to the topics covered in the chapter, giving readers an opportunity for further learning. A laminated quick reference card gives practitioners easy access to critical information in the field or hospital. This convenient card includes essential information regarding respiratory and heart rates, blood pressure, basic life support interventions, Glasgow Coma Scale, airway size and equipment selection for intubation corresponding to the Broselow Resuscitation Tape, several pediatric algorithms, and pain assessment tools.

Anesthesia Student Survival Guide: A Case-Based Approach is an indispensable introduction to the specialty. This concise, easy-to-read, affordable handbook is ideal for medical students, nursing students, and others during the anesthesia rotation. Written in a structured prose format and supplemented with many diagrams, tables, and algorithms, this pocket-sized guide contains essential material covered on the USMLE II-III and other licensing exams. The editors, who are academic faculty at Harvard Medical School, summarize the essential content with 32 informative and compelling case studies designed to help students apply new concepts to real situations. Pharmacology, basic skills, common procedures and anesthesia subspecialties are covered, too, with just the right amount of detail for an introductory text. The unique book also offers a section containing career advice and insider tips on how to receive good evaluations from supervising physicians. With its combination of astute clinical instruction, basic science explanation, and practical tips from physicians that have been there before, this handbook is your one-stop guide to a successful anesthesia rotation.

Medical acronyms and abbreviations offer convenience, but those countless shortcuts can often be confusing. Now a part of the popular Dorland's suite of products, this reference features thousands of terms from across various medical specialties. Its alphabetical arrangement makes for quick reference, and expanded coverage of symbols ensures they are easier to find. Effective communication plays an important role in all medical settings, so turn to this trusted volume for nearly any medical abbreviation you might encounter. Symbols section makes it easier to locate unusual or seldom-used symbols. Convenient alphabetical format allows you to find the entry you need more intuitively. More than 90,000 entries and definitions. Many new and updated entries including terminology in expanding specialties, such as Nursing; Physical, Occupational, and Speech Therapies; Transcription and Coding; Computer and Technical Fields. New section on abbreviations to avoid, including Joint Commission abbreviations that are not to be used. Incorporates updates suggested by the Institute for Safe Medication Practices (ISMP). Finally, a multi-disciplinary approach that covers both the surgical and non-surgical interventions for sleep apnea and snoring. From the editor of Operative Techniques in Otolaryngology, this new reference will quickly become the standard in surgery for this key area within otolaryngology. ., Full-color line drawings illustrate key concepts and create a comprehensive way of learning surgical techniques. Provides consistent, templated chapters and a contemporary, full-color format for quick, easy access to the most up-to-date surgical and non surgical interventions for sleep apnea and snoring. Includes contributions from leaders in neurology, pulmonology, psychiatry, otolaryngology, and oral & maxillofacial surgery. to create a truly multi-disciplinary approach. Covers new and innovative procedures including ZPP (Zeta palatopharyngoplasty), Transpalatal Advancement Pharyngoplasty and Minimally invasive submucosal glossectomy Details when and why surgery is necessary, and how to perform a successful operation for snoring and sleep apnea.

Trauma patients present a unique challenge to anesthesiologists, since they require resource-intensive care, often complicated by pre-existing medical conditions. This fully revised new edition focuses on a broad spectrum of traumatic injuries and the procedures anesthesiologists perform to care for trauma patients perioperatively, surgically, and post-operatively. Special emphasis is given to assessment and treatment of co-existing disease, including surgical management of trauma patients with head, spine, orthopaedic, cardiac, and burn injuries. Topics such as training for trauma (including use of simulation) and hypothermia in trauma are also covered. Six brand new chapters address pre-hospital and ED trauma management, imaging in trauma, surgical issues in head trauma and in abdominal trauma, anesthesia for oral and maxillofacial trauma, and prevention of injuries. The text is enhanced with numerous tables and 300 illustrations showcasing techniques of airway management, shock resuscitation, echocardiography and use of ultrasound for the performance of regional anesthesia in trauma.

This comprehensive resource brings together the most current theories, evidence and best practice parameters for the use of nocturnal non-invasive ventilation (nNIV). Chapters focus on the application of acute and chronic nNIV in patients with cardio-respiratory disorders over a range of major medical settings. Updates on past and recent research in this field are highlighted. Authored by leading clinicians and investigators, Nocturnal Non-Invasive Ventilation provides practical and cutting-edge knowledge to physicians, researchers and allied health professionals on the front lines of treating cardio-respiratory and sleep disorders.

This compact text is designed to be a practical, concise guide for clinicians involved in the care of patients with spinal cord injuries and disorders. It covers a comprehensive and diverse list of topics relating to the principles and practice of spinal cord injury care including basic science fundamentals, traumatic spinal cord injury, non-traumatic myelopathies, physical function and rehabilitation, medical consequences and complications of spinal cord injury, psychosocial and quality of life issues, and systems-based practice. Each chapter will follow a set format and review underlying pathophysiology and etiology, assessment (examination, testing, differential diagnosis, prognosis, risk factors), management (non-pharmacological, medications, surgical procedures, follow-up and monitoring, primary and secondary prevention, complications, practice pearls) and conclude with a brief summary of recent clinical advances/promising research. Dr. Sabharwal plans to write many of the chapters himself and enlist a small number of expert contributors from leading centers to ensure uniformity of style but diversity of experience.

Equipment for Respiratory Care, Second Edition continues to break the archetype of equipment texts. This text uniquely focuses on the principles of the equipment in a practical, clinically relevant manner

This comprehensive atlas of tracings of polysomnographic studies covers the technical aspects of conducting studies, and includes the features of the various adult and pediatric sleep disorders. Comprehensive and contemporary atlas Discusses the significance of findings and their correlation with the clinical presentation of the patient Authoritative and well-organized With 61 contributors

Every anaesthetist reaches the end of their career with a collection of difficult airway experiences. Managing airway challenges relies on a combination of good clinical practice, knowledge of relevant basic sciences and critical evaluation of every aspect of airway care. This new edition of Core Topics in Airway Management provides any trainee or consultant involved in airway

techniques with practical, clinically relevant coverage of the core skills and knowledge required to manage airways in a wide variety of patients and clinical settings. All new procedures and equipment are reviewed, and detailed chapters advise on airway issues in a range of surgical procedures. This edition also contains a series of practical questions and answers, enabling the reader to evaluate their knowledge. Written by leading airway experts with decades of experience managing difficult airways, *Core Topics in Airway Management*, 2nd edition is an invaluable tool for anaesthetists, intensivists, and emergency physicians.

This updated and revised edition of the classic bedside pocket reference remains the gold standard in critical care medicine. The new edition maintains Dr. Marik's trademark humor and engaging writing style, while adding numerous references.

Catastrophic disasters occurring in 2011 in the United States and worldwide--from the tornado in Joplin, Missouri, to the earthquake and tsunami in Japan, to the earthquake in New Zealand--have demonstrated that even prepared communities can be overwhelmed. In 2009, at the height of the influenza A (H1N1) pandemic, the Assistant Secretary for Preparedness and Response at the Department of Health and Human Services, along with the Department of Veterans Affairs and the National Highway Traffic Safety Administration, asked the Institute of Medicine (IOM) to convene a committee of experts to develop national guidance for use by state and local public health officials and health-sector agencies and institutions in establishing and implementing standards of care that should apply in disaster situations--both naturally occurring and man-made--under conditions of scarce resources. Building on the work of phase one (which is described in IOM's 2009 letter report, *Guidance for Establishing Crisis Standards of Care for Use in Disaster Situations*), the committee developed detailed templates enumerating the functions and tasks of the key stakeholder groups involved in crisis standards of care (CSC) planning, implementation, and public engagement--state and local governments, emergency medical services (EMS), hospitals and acute care facilities, and out-of-hospital and alternate care systems. *Crisis Standards of Care* provides a framework for a systems approach to the development and implementation of CSC plans, and addresses the legal issues and the ethical, palliative care, and mental health issues that agencies and organizations at each level of a disaster response should address. Please note: this report is not intended to be a detailed guide to emergency preparedness or disaster response. What is described in this report is an extrapolation of existing incident management practices and principles. *Crisis Standards of Care* is a seven-volume set: Volume 1 provides an overview; Volume 2 pertains to state and local governments; Volume 3 pertains to emergency medical services; Volume 4 pertains to hospitals and acute care facilities; Volume 5 pertains to out-of-hospital care and alternate care systems; Volume 6 contains a public engagement toolkit; and Volume 7 contains appendixes with additional resources.

Many patients with pulmonary complaints fail to improve despite physicians' best efforts. Sometimes, we ascribe this failure to lack of adherence with therapy, or to the severity of the condition. What we often fail to appreciate, however, is that sometimes the lack of improvement can be explained by the patients' psychological states. The first section of *Functional Respiratory Disorders: When Respiratory Symptoms Do Not Respond to Pulmonary Treatment* will help clinicians recognize functional respiratory symptoms that can arise as a result of both organic and psychological causes. The second section of this book provides detailed discussions of such disorders, links to video examples of laryngoscopic evaluation of patients with vocal cord issues, case studies and quizzes. Examples and exercises that should strengthen the clinician's confidence in identifying and treating these functional conditions are also provided. Finally, the third section of the book will help the clinician differentiate the patients for whom referral to a mental health provider is mandatory from those for whom other approaches may be useful. For the latter group, the book teaches clinicians to empower themselves by learning how to incorporate various therapies for functional disorders into their practice, including biofeedback, breathing techniques, basic cognitive behavioral therapy techniques, and hypnosis. Links are provided to instructive video examples of biofeedback, hypnosis, and speech therapy. Practical strategies for obtaining training in these modalities are provided in the appendix. *Functional Respiratory Disorders: When Respiratory Symptoms Do Not Respond to Pulmonary Treatment* is an important new book that will help clinicians consider the possible impact of functional contributions to the clinical presentation of every patient with respiratory symptoms and identified respiratory disease.

Fully-updated edition of this award-winning textbook, arranged by presenting complaints with full-color images throughout. For students, residents, and emergency physicians.

Neurocritical Care Board Review: Questions and Answers provides clinicians with a thorough review of the complex subspecialty of Neurocritical Care, using a question-and-answer (Q&A) format. The Q&A format is easily readable, high yield, and serves as good practice for test takers or anyone looking to improve or reinforce essential knowledge. The book covers the key topics pertinent to (and found on) neurocritical care boards, and is organized according to the exam core curriculum outline.. A total of 649 questions address both neuroscience critical care (general neurology, neurotrauma, neurovascular and neurosurgical problems) and general critical care topics (systems trauma, cardiovascular, infectious disease, pulmonary and renal issues, and hemodynamic monitoring). Detailed explanations follow in the answer section of each chapter, along with references for further study. Where relevant, neuroimaging, EEG and monitoring waveforms, and other images are included in case questions to allow candidates to familiarize themselves with these tools that form a significant part of the exam. Features of *Neurocritical Care Board Review* include: Comprehensive, high-yield review that covers all areas tested on the neurocritical care certifying exam Applicability to a wide range of physicians in multiple specialties reviewing for boards or looking to test skills and clinical acumen in this challenging area Question and answer format with detailed explanations and references to facilitate recall of must-know information and help identify knowledge gaps for further attention Material aggregated from multiple specialties into a singular resource for exam study

This book represents the first interdisciplinary text on the emerging field of rehabilitative surgery, in which state of the art procedures from multiple surgical specialties are combined. It proposes a completely new framework for understanding, coordinating, and providing treatment for paralyzed or severely neurologically impaired patients and explains the potentially critical impact of surgery in creating a new baseline of functional status, thereby improving the patient's daily life. Every major aspect of reconstructive surgical treatment is considered, including anesthesia, orthopedic surgery, plastic surgery, neurosurgery, general surgery, vascular surgery, and otolaryngology. The most up-to-date and evidence-based surgeries are clearly described and evaluated, with coverage of treatment of pressure sores, placement of feeding tubes, and upper extremity interventions to improve function and hygiene. Cutting-edge protocols are presented for the surgical treatment of severe nerve injuries, spinal cord injuries, and stroke or cerebrovascular accidents, and a first description and evaluation of phrenic nerve repair to assist

weaning of paralyzed patients from ventilators is provided. Both surgical and nonsurgical readers will find this book to be an ideal guide and reference.

Principles and Practice of Pediatric Sleep Medicine E-Book Elsevier Health Sciences

This concise, user-oriented and up-to-date desk reference offers a broad introduction to the fascinating world of medical technology, fully considering today's progress and further development in all relevant fields. The Springer Handbook of Medical Technology is a systemized and well-structured guideline which distinguishes itself through simplification and condensation of complex facts. This book is an indispensable resource for professionals working directly or indirectly with medical systems and appliances every day. It is also meant for graduate and post graduate students in hospital management, medical engineering, and medical physics.

Apley and Solomon's Concise System of Orthopaedics and Trauma is firmly established as the leading introductory textbook of orthopaedic practice and the principles of fracture management. Praised in previous editions for its systematic approach, balanced content and easy-to-read style, the fourth edition has been brought fully up to date with more than 800 illustrations, many new to this edition, providing an invaluable pictorial account of this highly visual subject. Key features of the Fourth Edition: Reflects the changing pattern of musculoskeletal disease around the world Focuses on actual diseases and clinical signs, with additional coverage of anatomy where appropriate—ideal for the medical student and junior surgeon Provides helpful guidance on simple procedures without unnecessary operative detail Includes revised and expanded sections on developments in molecular biology and genetics—reflecting the growing clinical significance of these important areas Demonstrates new imaging technologies Retains popular features such as handy check points and text boxes—ideal for rapid assimilation during a clinical placement or exam revision This text remains the first choice for medical students, trainee surgeons and other health professionals seeking a concise introduction to this large and complex subject. It is a natural preface to the more detailed coverage offered by the parent book, Apley's System of Orthopaedics and Trauma.

Anesthesia for Otolaryngologic Surgery offers a comprehensive synopsis of the anesthetic management options for otolaryngologic and bronchoscopic procedures. Authored by world authorities in the fields of anesthesiology and otolaryngology, both theoretical concepts and practical issues are addressed in detail, providing literature-based evidence wherever available and offering expert clinical opinion where rigorous scientific evidence is lacking. A full chapter is dedicated to every common surgical ENT procedure, as well as less common procedures such as face transplantation. Clinical chapters are enriched with case descriptions, making the text applicable to everyday practice. Chapters are also enhanced by numerous illustrations and recommended anesthetic management plans, as well as hints and tips that draw on the authors' extensive experience. Comprehensively reviewing the whole field, Anesthesia for Otolaryngologic Surgery is an invaluable resource for every clinician involved in the care of ENT surgical patients, including anesthesiologists, otolaryngologists and pulmonologists.

CLINICAL APPLICATION OF MECHANICAL VENTILATION, FOURTH EDITION integrates fundamental concepts of respiratory physiology with the day-to-day duties of a respiratory care professional. Utilizing the wide degree of topics covered, including airway management, understanding ventilator waveforms, and addressing critical care issues, students have the best resource available for understanding mechanical ventilation and its clinical application. Enhancing the learning experience are valuable illustrations of concepts and equipment, highlighted key points, and self-assessment questions in NRBC format with answers. Whether preparing for the national exam or double-checking a respiratory care calculation, this textbook provides the fundamental principles of respiratory care with the clinical guidance necessary for mechanical ventilation. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Inadequate humidification of inspired gases can cause a variety of serious problems, and humidification has accordingly become an important aspect of modern intensive care medicine. This book is designed to serve as a practical guide for clinicians, providing information on the theoretical background of humidification, the equipment, and its optimal use. The book starts by examining the physiological basis of humidification. Current devices are then discussed, with careful attention to factors influencing their performance and methods to evaluate their effectiveness. The two scenarios of mechanical and non-mechanical ventilation are considered, and the issue of ventilator-associated pneumonia is addressed in detail. Further chapters focus on such topics as humidification following tracheostomy, humidification of the artificial airway during secretion management, measurement of inspired gas temperature in the ventilated neonate, and humidification in the home care setting.

This is the premier evidence-based textbook in critical care medicine. The Third Edition features updated and revised chapters, numerous new references, streamlined content, and new chapters on key topics such as the new paradigm in critical care medicine, cardiac output monitoring, surgical optimization, vital signs, and arterial blood gas analysis. The book maintains the author's trademark humor and engaging writing style and is suitable for a broad and diverse audience of medical students, residents, fellows, physicians, nurses, and respiratory therapists who seek the latest and best evidence in critical care. From reviews of previous editions: "This is an excellent introduction to the concept of evidence-based medicine...The writing is clear, logical, and highly organized, which makes for fast and enjoyable reading. I believe this book will get daily use in most intensive care units, by a wide range of readers." —Respiratory Care "This is one of the most comprehensive handbooks on critical care medicine with a strong emphasis on evidence base...Overall, this book should be useful for junior doctors or intensive care trainees who are starting their term in an intensive care unit." —Anaesthesia and Intensive Care

Emergency Medicine Lecture Notes provides all the necessary information, within one short volume, for a sound introduction to this core specialty area. Presented in a user-friendly format, combining readability with flowcharts and high-quality illustrations, this fourth edition has been thoroughly revised to reflect recent advances in the field of emergency medicine. For this new edition, Emergency Medicine Lecture Notes features: • Illustrations and flow charts in a two colour presentation throughout • More detail on imaging, diagnosis and management of a wide range of acute conditions • A brand new companion website at www.lecturenoteseries.com/emergencymed featuring a selection of MCQs to test readers on common pitfalls in emergency medicine Not only is this book a great starting point to support initial teaching on the topic, but it is easy to dip in and out of for reference or revision at the end of a module, rotation or final exams. Whether you need to develop or refresh your knowledge of emergency medicine, Emergency Medicine Lecture Notes presents 'need to know' information for all those involved in treating those in an emergency setting.

This clinical casebook presents a comprehensive review of common sleep problems in adolescents in a concise, easy-to-read format. Each chapter thoroughly addresses a unique sleep disorder in teenagers through illustrative cases, reviews of relevant literature, and pearls of wisdom for both the practicing sleep specialist and other practitioners involved in the care of adolescents. Early chapters address various sleep disorders in detail: parasomnias, narcolepsy, obstructive sleep apnea, and delayed sleep-wake phase disorder, providing clear treatment considerations. Later chapters address sleep when complicated by issues of major depression, PTSD, epilepsy, and Traumatic Brain Injury. In-depth discussions and differential diagnosis engage the reader, and offer a multitude of research-based and clinically guided recommendations for the evaluation and treatment of sleep disorders in the adolescent. An ideal, practical resource for clinicians at all levels, *Sleep Disorders In Adolescents* provides a valuable contribution to adolescent care.

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