

Acute Respiratory Distress Syndrome

Covers a broad spectrum of respiratory diseases during pregnancy, in order to improve successful management of both mother and fetus.

A fully updated new edition designed specifically for those working within the high-pressure environment of cardiothoracic intensive care.

This manual gives step-by-step guidance on the evaluation and treatment of geriatric diseases and disorders. It covers incidence of disorders, diagnostic tests, associated diagnoses, clinical implications for mobility, and rehabilitation techniques. It offers a broad overview of the effects of aging on all body systems. Special geriatric considerations for laboratory assessment, thermoregulations, and pharmacology are also discussed. This manual is a resource for all training clinicians in geriatric care and is a quick-reference guide for students and practitioners in this field.

Great progress has been made since the first description of the acute respiratory distress syndrome by the Denver group in 1967 (Lancet). Although we introduced the term 'adult respiratory distress syndrome' in our second and more detailed description of the syndrome (chest, 1971), this was probably am mistake for the simple reason that children also suffer the same syndrome fo llowing acute lung insults. Today, the syndrome of acute respiratory distress in adults (ARDS) is recognized as a worldwide problem, but the prevalence of disease varies in different parts of the world. A huge amount of research has focused on the mechanisms of acute lung injury and yet the exact sequence of events and media tors in inflammatory cascade, which result in acute respiratory failure from ARDS, is not known but many possibilities exist. The definition of ARDS has been gradually modified in recent years and investigators around the world are now co llaborating in order to establish more uniform concepts in identification, risk factors and mechanisms of lung injury, which someday will result in improved approaches to management. Already, at least some centers are showing improved outcomes in ARDS, achieving an approximate 60% survival rate. In the past, most large series documented only about a 40% survivability taking a ll causes of ARDS. This apparent progress is likely attributable to more meticulous and disciplined care than any specific pharmacologic attack on the basic mechanism resulting in ARDS.

Respiratory Disease in Pregnancy

Extracorporeal Life Support for Adults

Severe Acute Respiratory Distress Syndrome, An Issue of Critical Care Clinics - E-Book

Practical Emergency Resuscitation and Critical Care

Critical Care

This book provides a concise yet comprehensive overview of pediatric acute respiratory distress syndrome (PARDS). The text reviews the emerging science behind the new PARDS definition; explores epidemiology, pathobiology, etiologies, and risk factors; reviews state-of-the-art treatment modalities and strategies; and discusses clinical outcomes. Written by experts in the field, Pediatric Acute Respiratory Distress Syndrome: A Clinical Guide is a valuable resource for clinicians and practitioners who specialize in pediatric critical care.

This book presents a concise, evidence-based review of extracorporeal life support (ECLS) for adult diseases. It describes the use of ECLS with patients who are experiencing severe hypoxemic respiratory failure (ARDS and pneumonia), ventilatory failure (status asthmaticus and COPD), cardiogenic shock and circulatory or gas exchange failure following complications in cardiothoracic surgery, as well as its use as a bridge to lung transplant. Historically, clinicians have used ECLS as a last resort; however, this text details the technological improvements, evidence of improved outcomes and adverse consequences of alternative treatments that are causing this modality to be more commonly adopted. Topics include a description of the complex physiology and technology underlying ECLS; the evidence base for its use in specific clinical conditions; vascular access techniques; daily management of the circuit and patient; guidance regarding the weaning and decannulation process and recommendations for crisis management and rehabilitation related to ECLS. Extracorporeal Life Support for Adults is ideal reading for practicing physicians, nurses, perfusion specialists, therapists and critical care trainees who are considering whether to refer their patients for ECLS or are already providing ECLS and are seeking a practical reference to best practices and updated information.

Proceedings of a NATO ASI held in Corfu, Greece, June 15-25, 1997

The acute respiratory distress syndrome (ARDS) is a complex disorder associated with rapidly progressive lung inflammation, non-cardiogenic pulmonary edema, hypoxemic respiratory failure and one or more well-defined risk factors including sepsis and severe trauma. Since its original description in 1967, experimental and clinical evidence has provided considerable insight into the key roles deregulated systemic inflammation and coagulation play in this devastating clinical syndrome. Despite substantial advances in our understanding of the pathogenesis of ARDS, until recently, little progress had been made in uncovering clinical strategies to improve the outcome of patients with ARDS. However, over the past 10 years protective ventilation and other supportive management strategies have been identified that markedly improve the outcome in ARDS. More recently, research has identified patients at risk for the development of the syndrome. Currently, clinical trials are underway.

Acute Respiratory Distress Syndrome

Textbook of Neuroanesthesia and Neurocritical Care

Acute Respiratory Distress Syndrome, An Issue of Clinics in Chest Medicine,

Acute Respiratory Distress Syndrome, An Issue of Critical Care Clinics, E-Book

Cellular and Molecular Mechanisms and Clinical Management

Part of the Mount Sinai Expert Guide series, this outstanding book provides rapid-access, clinical information on all aspects of Critical Care with a focus on clinical diagnosis and effective patient management. With strong focus on the very best in multidisciplinary patient care, it is the ideal point of care consultation tool for the busy physician.

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!

This reference surveys current best practices in the prevention and management of ventilator-induced lung injury (VILI) and spans the many pathways and mechanisms of VILI including cell injury and repair, the modulation of alveolar-capillary barrier properties, and lung and systemic inflammatory consequences of injurious mechanical ventilation. Considering many emerging therapeutic options, this guide also reviews the wide array of clinical studies on lung protection strategies and approaches to ARDS patients at risk for VILI.

Kendig, Chernick ' s Disorders of the Respiratory Tract in Children is the definitive medical reference book to help you confront critical challenges using the latest knowledge and techniques. You ' ll get the state-of-the-art answers you need to offer the best care to young patients. Tackle the toughest challenges and improve patient outcomes with coverage of all the common and rare respiratory problems found in newborns and children worldwide. Get a solid foundation of knowledge to better understand and treat your patients through coverage of the latest basic science and its relevance to clinical problems. Get comprehensive, authoritative coverage on today ' s hot topics, such as interstitial lung disease, respiratory disorders in the newborn, congenital lung disease, swine flu, genetic testing for disease and the human genome, inflammatory cytokines in the lung, new radiologic techniques, diagnostic imaging of the respiratory tract, and pulmonary function tests. Learn from the experts with contributions from 100 world authorities in the fields of pediatrics, pulmonology, neurology, microbiology, cardiology, physiology, diagnostic imaging, anesthesiology, otolaryngology, allergy, and surgery.

Core Topics in Cardiothoracic Critical Care

Oxford Textbook of Critical Care

Respiratory Distress Syndrome: New Insights for the Healthcare Professional: 2011 Edition

Practical Trends in Anesthesia and Intensive Care 2018

Oncologic Critical Care

This book covers all clinical aspects of acute respiratory distress syndrome (ARDS), from definition to treatment, focusing on the more recent recommendations and evidence-based medicine. The addressed topics are the various ventilation strategies, the impact of prone positioning, the use of partial and total extracorporeal support, the value of vasodilators, the weaning from mechanical ventilation, the pharmacological interventions, noninvasive ventilation, and the strategies using anti-inflammatory agents and stem cells. Furthermore, different related topics are also discussed, such as lung imaging, sedation, metabolic support, and hemodynamic instability. A concluding chapter specifically addresses ARDS in children. This up-to-date volume, written by experts in the field, will be of value for all health care practitioners seeking state of the art on the management of patients with this complex syndrome.

This major reference work is the most comprehensive resource on oncologic critical care. The text reviews all significant aspects of oncologic ICU practices, with a particular focus on challenges encountered in the diagnosis and management of the critically ill cancer patient population. Comprised of over 140 chapters, the text explores such topics as the organization and management of an oncologic ICU, diseases and complications encountered in the oncologic ICU, multidisciplinary care, surgical care, transfusion medicine, special patient populations, critical care procedures, ethics, pain management, and palliative care. Written by worldwide experts in the field, Oncologic Critical Care is a valuable resource for intensivists, advance practice providers, nurses, and other healthcare providers, that will help close significant knowledge and educational gaps within the realm of medical care for critically ill cancer patients.

This book offers an essential guide to managing the most-debated hot topics of practical interest in anesthesia and intensive care. It reviews the state of the art in issues concerning both intensive care medicine and anesthesia, such as perioperative coagulation management, neuroaxial blockade and complications, postoperative pain management, pediatric airway management, septic shock and hemodynamic management, diagnosis and management of acute respiratory distress syndrome, and antifungal treatments for critically ill patients. Written by leading experts and including updated references, it provides a comprehensive, easy-to-follow update on anesthesia and intensive care. The book clearly explains complex topics, offering practicing clinicians valuable insights into the latest recommendations and evidence in the field while, at the same time, making it a vital resource for students new to the fields of anesthesia and intensive care.

This issue of Critical Care Clinics will focus on Severe Acute Respiratory Distress Syndrome and dealing with it in the ICU. Topics will include: Challenges and Successes in ARDS Research;Mechanical ventilation with Lung Protective Strategies: What works?; Gene therapy for ALI/ARDS;High Frequency Oscillatory Ventilation in ALI/ARDS;Prone positioning therapy in ARDS;Recovery and Long-term outcome in ARDS; and Experimental models and emerging hypotheses for ALI and ARDS

Keywords, Questions and Answers for the Boards

The ESC Textbook of Intensive and Acute Cardiovascular Care

Developed Clinical Pathway

Textbook of Respiratory Medicine

ScholarlyPaper

This fully revised and well-documented new edition of the field's standard reference integrates the latest information on the scientific basis of respiratory medicine with its current practice. The text details the scientific principles of respiratory medicine and its foundation in basic anatomy, physiology, pharmacology, pathology, and immunology to provide a rationale and scientific approach to the more specialised clinical material covered in subsequent sections.

Acute respiratory distress syndrome (ARDS), firstly reported in 1967, is a life-threatening syndrome. The treatment of ARDS has not yet been fully established, and the mortality still remains around 30%. Although the precise mechanisms of ARDS have not fully understood, pathophysiological investigation has disclosed that inappropriate mechanical ventilation is associated with the initiation and the propagation of ARDS. And lung protective strategy has been widely accepted in the clinical field to prevent ventilator-associated lung injury. In this thematic review series published by Journal of Intensive Care, some authors introduced new causative factors for ARDS such as cell-free hemoglobin or mismatched spontaneous breathing during mechanical ventilation. Other reviews covered overall topics in ARDS, the application of ECMO in ARDS, or prospective biomarkers such as several pathogen-associated molecular patterns (PAMPs) and damage -associated molecular patterns (DAMPs) in ARDS. Proceeds from the sale of this book go to support an elderly disabled person.

ARDS: A Comprehensive Clinical Approach focuses on the clinical assessment and management of patients with ARDS.

The ESC Textbook of Intensive and Acute Cardiovascular Care is the official textbook of the Acute Cardiovascular Care Association (ACVC) of the ESC. Cardiovascular diseases (CVDs) are a major cause of premature death worldwide and a cause of loss of disability-adjusted life years. For most types of CVD early diagnosis and intervention are independent drivers of patient outcome. Clinicians must be properly trained and centres appropriately equipped in order to deal with these critically ill cardiac patients. This new updated edition of the textbook continues to comprehensively approach all the different issues relating to intensive and acute cardiovascular care and addresses all those involved in intensive and acute cardiac care, not only cardiologists but also critical care specialists, emergency physicians and healthcare professionals. The chapters cover the various acute cardiovascular diseases that need high quality intensive treatment as well as organisational issues, cooperation among professionals, and interaction with other specialities in medicine. SECTION 1 focusses on the definition, structure, organisation and function of ICCU's, ethical issues and quality of care. SECTION 2 addresses the pre-hospital and immediate in-hospital (ED) emergency cardiac care. SECTIONS 3-5 discuss patient monitoring, diagnosis and specific procedures. Acute coronary syndromes (ACS), acute decompensated heart failure (ADHF), and serious arrhythmias form SECTIONS 6-8. The main other cardiovascular acute conditions are grouped in SECTION 9. Finally SECTION 10 is dedicated to the many concomitant acute non-cardiovascular conditions that contribute to the patients' case mix in ICCU. This edition includes new chapters such as low cardiac output states and cardiogenic shock, and pacemaker and ICDs: troubleshooting and chapters have been extensively revised. Purchasers of the print edition will also receive an access code to access the online version of the textbook which includes additional figures, tables, and videos to better to better illustrate diagnostic and therapeutic techniques and procedures in IACC. The third edition of the ESC Textbook of Intensive and Acute Cardiovascular Care will establish a common basis of knowledge and a uniform and improved quality of care across the field.

A Clinical Guide

Advances in Diagnostic Tools and Disease Management

A Comprehensive Clinical Approach

Acute Respiratory Distress Syndrome: New Insights for the Healthcare Professional: 2012 Edition

Physiology and Practice

The clinical practice of anesthesia has undergone many advances in the past few years, making this the perfect time for a new state-of-the-art anesthesia textbook for practitioners and trainees. The goal of this book is to provide a modern, clinically focused textbook giving rapid access to comprehensive, succinct knowledge from experts in the field. All clinical topics of relevance to anesthesiology are organized into 29 sections consisting of more than 180 chapters. The print version contains 166 chapters that cover all of the essential clinical topics, while an additional 17 chapters on subjects of interest to the more advanced practitioner can be freely accessed at www.cambridge.org/vacanti. Newer techniques such as ultrasound nerve blocks, robotic surgery and transesophageal echocardiography are included, and numerous illustrations and tables assist the reader in rapidly assimilating key information. This authoritative text is edited by distinguished Harvard Medical School faculty, with contributors from many of the leading academic anesthesiology departments in the United States and an introduction from Dr S. R. Mallampati. This book is your essential companion when preparing for board review and recertification exams and in your daily clinical practice.

This two-volume book offers a comprehensive guide to anesthetic management and critical care management in neurosurgical and neurological patients. This second volume focuses on neurocritical care. The book begins with basic information on the principles of neurocritical care. Management of various neurological problems such as myasthenia gravis, Guillain-Barré syndrome, epilepsy, stroke and many more are discussed in detail. Subsequent sections address nursing care, physiotherapy and psychological care, issues related to brain death and organ donation, and common complications observed in neurological patients during their ICS stays. Each complication is discussed in detail, guiding readers in their clinical practice. In turn, the book's closing chapters cover e.g. the role of hypothermia and evidence-based practice. The book offers a valuable resource for all residents, fellows and trainees in the fields of neurointensive care and critical care; it will also benefit intensivists and neurocritical care experts.

Divided into thirteen chapters, this book provides a wealth of research-oriented findings and practical guidance, ranging from the definition, epidemiology and pathophysiology, to the diagnosis and management of the disease. Although acute respiratory distress syndrome (ARDS) is defined by the acute onset of noncardiogenic pulmonary edema, hypoxemia and the need for mechanical ventilation, it is a heterogeneous disease entity, which makes it difficult to develop specific therapies. Treatment tends to focus on lung-protective ventilation, and no specific pharmacotherapies have been identified. All chapters were written by respected experts in the field, and summarize the latest trends, share recent research findings, and outline future prospects. Specific chapters are devoted to novel, promising diagnostic approaches, such as microRNA, which may improve our ability to identify early ARDS or at-risk patients. In addition, a dedicated chapter explores cell-based therapies and regenerative medicine, which offer potential therapeutic options. Acute Respiratory Distress Syndrome - Advances in Diagnostic Tools and Disease Management offers a valuable reference guide not only for young physicians and trainees, but also for experienced or teaching physicians, medical educators, and basic researchers. Readers will find the latest information on ARDS and come to understand the current challenges, encouraging them to further advance the diagnosis, treatment and clinical research on this disease.

Covers recent advances in the scientific understanding of acute inflammatory respiratory failure, with an emphasis on clinical relevance. Discusses the definition, incidence, and prediction of ARDS and summarizes the results of therapy. Also examines clinical problems of infection in the lungs, tissue oxygen delivery, and cardiovascular function during acute respiratory failure. Other topics include the basis of respiratory mechanics measurements, new lung imaging techniques, effects of antiproteases in acute lung injury, and new

treatments. Annotation copyrighted by Book News, Inc., Portland, OR
Causes and Timing of Death in the Acute Respiratory Distress Syndrome (ARDS)
Essential Clinical Anesthesia Review
The Saint-Chopra Guide to Inpatient Medicine
Respiratory Health
Volume II - Neurocritical Care

This issue of Clinics in Chest Medicine focuses on Acute Respiratory Distress Syndrome and covers topics such as: Epidemiology and Definitions of ARDS and Early Acute Lung Injury, Environmental Risk Factors for ARDS, Clinical and Biological Heterogeneity in ARDS: Direct vs. Indirect Lung Injury, Obesity and Nutrition, Important Immunomodulators in ARDS?, Beyond SNPs—Genetics, Genomics and Other Omic Approaches to ARDS, Clinical Approach to the Patient with ARDS, The Immunocompromised Patient with ARDS: Role of Invasive Diagnostic Strategies, Clinical Trial Design in Prevention and Treatment of ARDS, Beyond Low Tidal Volume—Ventilating the Patient with ARDS, Prone Positioning in ARDS, and more!

The only available text to focus primarily on Acute Respiratory Distress Syndrome (ARDS). Thoroughly revised content and ten new chapters provide pulmonologists with the latest developments and applications of pharmacological and mechanical therapies needed to treat the debilitating and difficult condition of ARDS. Highlights include: the definition, epidemiology, pathology, and pathogenesis of ARDS complications such as transfusion-related injury, and endothelium and vascular dysfunction the long-term outcomes of ARDS host defense and infection the latest developments in ARDS therapy: glucocorticoid therapy, surfactant therapy, mechanical ventilation, and mesenchymal stem cells predictive factors: gene expression profiling and biomarkers, and chemokines and cytokines advances in management strategies: fluid management, non-pulmonary and non-sepsis management, and glucose control

The tracheobronchial tree is open to the environment surrounding the body. Respiration has thus the essential bearing on general morbidity, vulnerability to disease and immunity. Further, respiratory function shapes the neuropsychological responses to succumbing to disease, controls the mind-to-body interaction and sets the perception of quality of life. The chapters of this book deal with the preventable drivers of poor respiratory health, the role of health information technology, the improvement in health care delivery and the integration of respiratory health and behavioral health services. Innovative strategies to promote prevention, care coordination and care integration as well as to align disease acceptance and quality of life measures also are tackled.

Maintaining respiratory health is of rising research interest as a way of preventing a disease or a non pharmacological therapeutic succor. The book will be of interest to clinicians, family practitioners and medical researchers.

Respiratory Distress Syndrome: New Insights for the Healthcare Professional: 2011 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Respiratory Distress Syndrome in a compact format. The editors have built Respiratory Distress Syndrome: New Insights for the Healthcare Professional: 2011 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Respiratory Distress Syndrome in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Respiratory Distress Syndrome: New Insights for the Healthcare Professional: 2011 Edition has been produced by the world ' s leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Geriatric Rehabilitation Manual

Mechanical Ventilation

Kendig and Chernick's Disorders of the Respiratory Tract in Children E-Book

Principles of Pulmonary Medicine

Adult Respiratory Distress Syndrome

Mechanical ventilation is an essential life-sustaining therapy for many critically-ill patients. As technology has evolved, clinicians have been presented with an increasing number of ventilator options as well as an ever-expanding and confusing list of terms, abbreviations, and acronyms. Unfortunately, this has made it extremely difficult for clinicians at all levels of training to truly understand mechanical ventilation and to optimally manage patients with respiratory failure. Mechanical Ventilation was written to address these problems. This handbook provides students, residents, fellows, and practicing physicians with a clear explanation of essential physiology, terms and acronyms, and ventilator modes and breath types. It describes how mechanical ventilators work and explains clearly and concisely how to write ventilator orders, how to manage patients with many different causes of respiratory failure, how to "wean" patients from the ventilator, and much more. Mechanical Ventilation is meant to be c and used at the bedside and to allow everyone who cares for critically-ill patients to master this essential therapy.

Acute Respiratory Distress Syndrome: New Insights for the Healthcare Professional / 2012 Edition is a ScholarlyPaper™ that delivers timely, authoritative, and intensively focused information about Acute Respiratory Distress Syndrome in a compact format. The editors have built Acute Respiratory Distress Syndrome: New Insights for the Healthcare Professional / 2012 Edition on the vast information databases of ScholarlyNews.™ You can expect the information about Acute Respiratory Distress Syndrome in this eBook to be deeper than what you can access anywhere else, as well as consistently reliable, authoritative, informed, and relevant. The content of Acute Respiratory Distress Syndrome: New Insights for the Healthcare Professional / 2012 Edition has been produced by the world's leading scientists, engineers, analysts, research institutions, and companies. All of the content is from peer-reviewed sources, and all of it is written, assembled, and edited by the editors at ScholarlyEditions™ and available exclusively from us. You now have a source you can cite with authority, confidence, and credibility. More information is available at <http://www.ScholarlyEditions.com/>.

Preceded by: Clinical clerkship in inpatient medicine / Sanjay Saint. 3rd ed. c2010.

Now in paperback, the second edition of the Oxford Textbook of Critical Care addresses all aspects of adult intensive care management. Taking a unique problem-orientated approach, this is a key resource for clinical issues in the intensive care unit.

Mount Sinai Expert Guides

Acute Lung Injury and Acute Respiratory Distress Syndrome

Pediatric Acute Respiratory Distress Syndrome

Acute Respiratory Distress Syndrome, Second Edition

Acute Respiratory Distress SyndromeSpringer

This issue of Critical Care Clinics, guest edited by Drs. Michael Matthay and Kathleen Dori Lui, focuses on Acute Respiratory Distress Syndrome. This is one of four issues each year selected by the series consulting editor, Dr. John Kellum. Articles in this issue include, but are not limited to: Epidemiology, Environmental Factors, Clinical Diagnosis, Physiology of ARDS, including COVID-19, Pathogenesis Based on Clinical Studies, Genetics of ARDS, Ventilator Management and Rescue Therapy with ECMO, Acute Kidney Injury and ARDS, Pharmacologic Therapies and ARDS and Long Term Outcomes from ARDS. Provides in-depth, clinical reviews on ARDS, providing actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

Acute resuscitation and care of unstable and critically ill patients can be a daunting experience for all trainees in the emergency department or the intensive care unit. The practical, easy-to-read and evidence-based information in Practical Emergency Resuscitation and Critical Care will help all physicians understand and begin management of these patients. This book offers the collaborative expertise of dozens of critical care physicians from different specialities, including but not limited to: emergency medicine, surgery, medicine and anaesthesia. Divided into sections by medical entities, it covers essential topics that are likely to be encountered in the emergency department where critical care often begins. The portable format and bullet point style content allows all practitioners instant access to the principle information that is necessary for the diagnosis and management of critical care patients.

Evidence-based board review book, organized according to the ABA keyword list, with concise discussion and clinical review questions and answers.

Ventilator-Induced Lung Injury

ACUTR RESPIRATORY DISTRESS IN ADULTS

Acute Respiratory Distress Syndrome (ARDS)

Essential Clinical Anesthesia

Forty-seven international specialists contribute 23 chapters documenting recent progress made in the research of the acute respiratory distress syndrome (ARDS) and clinical acute lung injury (ALI) at the molecular, cellular, and physiological levels, and current pharmacological and ventilatory appro