

## Acute And Critical Care Medicine At A Glance

Revision Notes in Intensive Care Medicine is a key resource for candidates preparing for postgraduate intensive care examinations. Mapped to the FFICM, EDIC and FCICM syllabuses, this title ensures candidates have all the information needed to prepare for their examinations. Information is presented in concise note form and bullet points with visually memorable tools, such as tables and diagrams, making revising and retaining key facts easier. Chapters are arranged into physiological systems, such as 'Respiratory Intensive Care' and 'Obstetric Intensive Care', and are subdivided into major clinical issues within each chapter so specific areas of further study can be found easily. Drawing from the authors' experiences as successful candidates, and carefully reviewed by consultants, Revision Notes in Intensive Care Medicine provides the foundation for postgraduate intensive care exam revision.

Internists, surgeons, critical care physicians and nephrologists all treat critically ill patients with renal failure and the multiple system organ dysfunction syndrome. A comprehensive review of the state of the art of this topic is definitely needed both in academic and clinical medicine, and Critical Care Nephrology fulfils this need. It is a useful reference tool for both nephrologists and intensive care specialists and it is therefore no coincidence that the editors of the book are themselves specialists in these particular fields. The book addresses the following: definitions of critical illness, epidemiology, monitoring and diagnostic procedures, pathophysiology of organ systems in relation to kidney function, concepts of renal physiologic and pathologic responses to various derangements, oxygen transport and cardiovascular adaptations, hemodynamic parameters, respiratory parameters, mechanical ventilation and cardiac support, and severity score parameters. The book is also devoted to all forms of acute renal failure with specific reference to intensive care patients. The nature of the multiple organ dysfunction syndrome is discussed with special emphasis on the impact of different organs dysfunction and kidney failure. Kidney function and acute renal failure in patients with kidney, liver and heart transplants is also considered, as well as acute illness occurring in chronic hemodialysis patients. Special emphasis is placed on therapeutic interventions and treatment procedures. Different forms of organ support are discussed including liver, lung and cardiac therapy.

The at a Glance series is popular among medical students and junior doctors for its concise and simple approach and excellent illustrations. Each bite-sized chapter is covered in a double-page spread with colour summary diagrams on the left page and explanatory text on the right. Covering a wide range of topics, books in the at a Glance series are ideal as introductory subject texts or for revision purposes, and are useful throughout medical school and beyond. Everything you need to know about Acute and Critical Care Medicine...at a Glance! Following the familiar, easy-to-use at a Glance

format, and now in full-colour, Acute and Critical Care Medicine at a Glance is an accessible introduction and revision text for medical students. Fully revised and updated to reflect changes to the content and assessment methods used by medical schools, this at a Glance provides a user-friendly overview of Acute and Critical Care Medicine to encapsulate all that the student needs to know. This new edition of Acute and Critical Care Medicine at a Glance: Provides a brief and straightforward, yet rapid, introduction to care of the critically ill that can be easily assimilated prior to starting a new job or clinical attachment Encompasses the clinical, diagnostic and therapeutic skills required to manage acutely ill patients in a variety of settings Includes assessment of the acutely unwell patient, monitoring, emergency resuscitation, oxygenation, circulatory support, methods of ventilation and management of a wide variety of medical and surgical emergencies Includes new chapters on fluid management, oxygenation, non-invasive ventilation, recognition of the seriously ill patient and hospital-acquired infections This book is an invaluable resource for all undergraduates in medicine, as well as clinical medical students, junior doctors, nurses caring for acutely-ill patients and paramedics. Pre-publication reviews: "The material forms an excellent basis for junior doctors in critical care and anaesthesia to get a good grounding in the subject, without appearing too scary." –Senior House Officer "The system-based approach...provides excellent reference material when studying a particular subject, allowing the reader to easily delve into the book when necessary, without having to read from cover-to-cover. It is an excellent revision aid.... Much time has gone into eliminating superfluous data so maximal essential information can be conveyed quickly." –UCL student

Using detailed, step-by-step guidelines, this comprehensive book covers procedures commonly performed by all nurses in pediatric critical care. Following the successful format of the AACN Procedure Manual for Critical Care, 5th edition, this new resource focuses on the unique aspects of caring for infants and children. This easy-to-use guide includes the latest information, a strong evidence base, and a supporting rationale for each step of each procedure. Advanced Practice Skills are included throughout the text and are marked with a special AP icon indicating that these procedures should only be performed by qualified personnel. Evidence-based practice and research-based data are used to support the recommendations for each procedure. Each procedure follows a consistent, step-by-step format with rationales. Developmental differences are highlighted in special Procedure tables. This valuable, everyday resource is sponsored by the American Association of Critical-Care Nurses. Each procedure is covered in a consistent structure: Purpose Prerequisite knowledge Child and family assessment Child and family education Equipment Procedure (with steps, rationale, and considerations) Expected and unexpected outcomes Monitoring and care of the child (with activities and interventions, rationale, and reportable conditions) Documentation

"This book is appropriate for a broad audience, ranging from third-year medical students starting clinical rotations to

experienced providers looking to expand their knowledge. It is written by a large group of authors, coordinated by the respected emergency medicine physician, Dr. Amal Mattu."—Karl John LaFleur, MD (Regions Hospital), Doody's Review Service

**BE THE ECG EXPERT!** In the emergency department—in any acute or critical care setting—when it's on you to direct a patient's care based on an ECG, you have to be the ECG expert. Right then. See what you need to see, recognize what's important, and act accordingly. And quickly. Get better with *Electrocardiography in Emergency, Acute, and Critical Care, 2nd Ed.* A highly visual resource, readable from cover to cover, what works and what doesn't. The editors—internationally known experts on ECG interpretation and how to teach it—know from experience what should happen at the bedside, and they show it to you in a clear and practical way. They want you to be confident about reading ECGs. They want you to save lives—and they know you will.

**HIGHLIGHTS OF THE NEW EDITION:** 18 completely revised and updated chapters || High-yield key points at the beginning of each chapter || More than 200 ECG images with explanations of important findings || More than 80 charts and tables for quick illustration of key ECG and patient characteristics || 27 expert contributors.

**WHAT'S IN IT?** · The ECG and Clinical Decision-Making in the Emergency Department · Intraventricular Conduction Abnormalities · Bradycardia, Atrioventricular Block, and Sinus Block · Narrow Complex Tachycardias · Wide Complex Tachycardias · Acute Coronary Ischemia and Infarction · Additional-Lead Testing in Electrocardiography · Emerging Electrocardiographic Indications for Acute Reperfusion · ACS Mimics Part I: Non-ACS Causes of ST-Segment Elevation · ACS Mimics Part II: Non-ACS Causes of ST-Segment Depression and T-Wave Abnormalities · Pericarditis, Myocarditis, and Pericardial Effusions · Preexcitation and Accessory Pathway Syndromes · Inherited Syndromes of Sudden Cardiac Death · Pacemakers and Pacemaker Dysfunction · Metabolic Abnormalities: Effects of Electrolyte Imbalances and Thyroid Disorders on the ECG · The ECG in Selected Noncardiac Conditions · The ECG and the Poisoned Patient · The Pediatric ECG

The Yearbook compiles the most recent developments in experimental and clinical research and practice in one comprehensive reference book. The chapters are written by well recognized experts in the field of intensive care and emergency medicine. It is addressed to everyone involved in internal medicine, anesthesia, surgery, pediatrics, intensive care and emergency medicine.

The first comprehensive text on critical care emergency medicine "...goes a long way toward establishing emergency physicians as credible intensivists....The book is unique as it blends the perspective of a true intensivist with that of emergency medicine. The book is the first of its kind, and I predict it will become known as the standard reference for those emergency physicians, as well as others, who wish to understand the overlap between emergency medicine and critical care."--Thomas M. Scalea, MD, FACS, FCCM, R. Adams Cowley Shock Trauma Center and University of

Maryland School of Medicine (from the foreword) Critical Care Emergency Medicine is destined to become the standard reference for all clinicians who wish to understand the overlap between emergency medicine and critical care. Written by experienced emergency physicians and intensivists, the book is unique in incorporating both perspectives into the practice of emergency medicine and critical care. Critical Care Emergency Medicine teaches emergency physicians everything they must know and do to better care for critically ill patients in an emergency department or to provide care in an ICU. Enhanced by numerous algorithms that speed decision making and full-color illustrations demonstrating anatomy and technique, this book is an essential practice tool. Critical Care Emergency Medicine delivers expert guidance on managing: Airway and Ventilatory Support Pulmonary Disorders Cardiovascular Disorders Gastrointestinal and Renal Disorders Neurologic and Neurosurgical Disorders Hematologic and Endocrine Disorders Infectious Diseases Toxicologic Disorders You will also find important information on the use of ultrasound, fluid management, nutritional support, pediatric considerations, patient transportation, and end-of-life issues.

This comprehensive book provides practical guidance on the care of the critical patient in the emergency department. It focuses on the ED physician or provider working in a community hospital where, absent the consulting specialists found in a large academic center, the provider must evaluate and stabilize critically ill and injured patients alone. Structured in an easily accessible format, chapters present fundamental information in tables, bullet points, and flow diagrams.

Emergency medicine scenarios covered across 38 chapters include acute respiratory failure, spinal cord Injuries, seizures and status epilepticus, care of the newborn, and end-of-life care. Written by experts in the field, Emergency Department Critical Care is an essential resource for practicing emergency physicians and trainees, internists and family physicians, advance practice nurses, and physician's assistants who provide care in emergency departments and urgent care centers.

Stay up-to-date on the latest evidence and clinical practice in pediatric acute care with the definitive textbook in the field. Now in its second edition, Pediatric Acute Care: A Guide for Interprofessional Practice takes an evidence-based, interprofessional approach to pediatric acute care as it exemplifies the depth and diversity that's needed for the dynamic healthcare environments in which acutely ill children receive care. Coverage includes how to work with the pediatric patient and family, major acute care disorders and their management, emergency preparedness, common acute care procedures, and much more. With contributions from more than 200 practicing clinicians and academic experts, it represents a wide variety of disciplines including medicine, nursing, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology, among others. The second edition also features the addition of new physician and nurse practitioner co-editors as well as extensive content updates including updated evidence-based content throughout the text, the integration of the 2016 IPEC Core Competencies for Interprofessional Collaborative Practice, a new full-color design, and new vivid illustrations throughout. UNIQUE! Interprofessional collaborative approach includes contributions from more than 200 practicing clinicians and academic experts from

the U.S. and Canada, including nursing, medicine, pharmacy, child life, nutrition, law, integrative medicine, education, public health, and psychology. Consistent organization within disorder chapters begins with a section on Physiology and continues with sections on Pathophysiology, Epidemiology and Etiology, Presentation, Differential Diagnosis, Diagnostic Studies, and a Plan of Care that include Therapeutic Management, Consultation, Patient and Family Education and Disposition and Discharge Planning. Comprehensive content spanning five units divides coverage into introductory information, the approach to the pediatric patient and family, major acute care disorders and their management, emergency preparedness, and common acute care procedures. NEW! Updated evidence-based content has been added throughout to ensure that you're up-to-date on all topics needed to provide care for pediatric patients in acute, inpatient, emergency, transport, and critical care settings. NEW! Full-color design and illustrations enhance learning and make content easier to navigate and digest. NEW! Integration of the 2016 IPEC Core Competencies ensure that you're learning the professional skills and protocols required for effective, contemporary interprofessional collaborative practice. UPDATED! Streamlined procedures unit focuses more sharply on need-to-know content.

This is a unique question-and-answer book for surgical residents and trainees, concentrating on the growing subspecialty of surgery in critical care and emergency surgery. This book covers all surgical aspects of critical care and acute or emergency surgery, making it an ideal learning and review text for surgical trainees and those professionals specializing in these fields.

Named a 2013 Doody's Core Title! Winner of an AJN Book of the Year Award of 2009! "There is little doubt that every ACNP in practice or in training will want a copy of this reference in their lab coat pocket." --Ric Cuming, RN, MSN, EdD (c), CNOR, NEA-BC Chief Nursing Officer Jackson Memorial Hospital "Long overdue-This comprehensive critical care text will fill the void, especially for nurses advancing from BSN to Advanced Practice. The authors have covered all the basics and produced a text that provides a well-rounded knowledge base for critical care." -Jeanne H. Siegel, PhD, ARNP University of Miami School of Nursing and Health Studies This book defines what it means to be a nurse in critical care. With this text, Acute Care Nurse Practitioners (ACNPs) will learn what to expect in the critical care unit, and how to manage various complications with patients in acute and intensive care settings. Significant emphasis is given to the complex pathophysiology and appropriate management of common problems encountered in the critical care environment, including trauma, infections, and disease. One chapter is also dedicated to the medical, legal, and ethical aspects of critical care. Critical Care is thus the must-have reference for graduate students as well as for practicing ACPNs. Key topics include: The role of the ACPN in acute and critical care Pulmonary management Cardiac concepts in acute care settings Managing liver, kidney, and kidney pancreas transplant in the ICU Burn management Multisystem organ failure End-of-life and palliative care Family-centered care Winner of an AJN Book of the Year Award for 2009!

The assessment and management of patients who are critically or acutely ill, or showing signs of clinical deterioration, is a crucial nursing skill. This book will help adult nursing students to competently manage care of critically and acutely ill patients, and to recognise and deal with the early signs of deterioration. The book takes a practical real-life approach to care, with each chapter focussing on patients with specific problems, then interweaving the knowledge and skills needed to care for that patient, including the nurse's role and responsibilities, assessment, diagnosis, planning, management, related pathophysiology and collaborative team working.

This book is a comprehensive, easy-access clinical reference for acute care nurse practitioners and other clinicians. It features guidelines for managing over 230 of the most common conditions experienced by adult patients in acute care. Using an outline format, the coverage of

each condition includes an overview with defining terms, incidence/predisposing factors, subjective and physical exam findings, diagnostic tests, and management strategies. Comprehensive coverage--over 230 conditions covered Consistent outline format--each chapter includes an overview with defining terms, incidence/predisposing factors, subjective and physical exam findings, diagnostic tests, and management strategies In addition to conditions by body system, the book also includes coverage of nutritional considerations, fluid/electrolyte imbalances, shock, and trauma Convenient pocket-size

2007 AJN Book of the Year Award Winner Acute and Critical Care Clinical Nurse Specialists: Best Practices presents the knowledge and tools the CNS needs to provide the best standards of practice and performance. It focuses on the role of the CNS in acute and critical care, emphasizing the relationship between critical care nursing, the patient, and the environment of care. Divided into 3 main sections, the framework of the book is based on the Scope and Standards of Practice for the Clinical Nurse Specialist in Acute and Critical Care and the AACN's synergy model. This book delivers up-to-date information for today's health care along with practical tools for the CNS in acute and critical care settings. Provides a current guide for the CNS' role in acute and critical care for the most up-to-date information. Reader-friendly presentation of information provides an easy reference that can be used in day-to-day practice. Discussion questions based on the CCNS blueprint assist in review for the certification examination, making this book a seminal reference for nurses taking the CCNS certification examination. Case studies present applied learning of the acute and critical care setting to prepare the reader for real-life situations. This book helps adult nursing students to competently manage care of critically and acutely ill patients, and to recognize and deal with the early signs of deterioration. The book takes a practical real-life approach to care, with each chapter focusing on patients with specific problems, then interweaving the knowledge and skills needed to care for that patient. New to this edition: · two new chapters focusing on the renal system and endocrine system · updates to include the latest evidence and guidelines from NICE · refreshed activities and scenarios reflecting current nursing practice.

Here's the most clinically oriented critical care text focusing on the adult patient. In full-color and superbly illustrated with clinical photographs, imaging studies, and management algorithms, and with a broad multidisciplinary focus, this text will help you enhance your skills at any level of training. Stands alone as a clinically oriented comprehensive reference. Completely updated and authorship expanded to reflect the evolution in critical care practice. In color for the first time, with new color schematics and treatment algorithms for greater ease of reference. Utilizes key points lists at the end of chapter, to help you make decisions rapidly and easily. Delivers key references that list other useful resources for information. Includes these seven new chapters to keep you on the cutting edge of your specialty: Assessment of Cardiac Filling and Blood Flow Mechanical Ventilation of Obstructive Airways Disease Mechanical Ventilation of Acute Respiratory Distress Syndrome Severe Sepsis and Multiple Organ Dysfunction Stroke Delirium, Psychosis, Sleep and Depression in the ICU ICU Education

From the publishers of the market-leading at a Glance series comes a comprehensive yet accessible overview of all the fundamental elements of acute and critical care nursing. Acute and Critical Care Nursing at a Glance provides an introduction to the key knowledge and skills for patient assessment and problem identification, as well as how to plan, implement and evaluate care management strategies. It also explores clinical decision-making processes and their impact on care delivery, as well as key psychosocial issues, pain management, and safe transfer. All information is presented in a clear, double-page spread with key information accompanied by tables, illustrations, photographs and diagrams. Key features: Superbly illustrated, with full colour

illustrations throughout An accessible, evidence-based, introduction to a complex topic Presents information structured according to the Resuscitation Council's systematic ABCDE framework for ease of understanding Accompanied by patient case studies to help apply theory to practice Acute and Critical Care Nursing at a Glance is ideal for nursing students, healthcare assistants, and registered nurses working within the acute and critical care setting.

Evidence-Based Practice of Critical Care, 2nd Edition, presents objective data and expert guidance on managing critically ill patients in unique question-based chapters that focus on best practices. Now thoroughly updated by Drs. Clifford S. Deutschman, Patrick J. Neligan, and nearly 200 critical-care experts, this highly regarded title remains the only book of its kind that provides a comprehensive framework for translating evidence into practice, making it a valuable resource for both residents and practitioners. Tap into the expertise of nearly 200 critical-care experts who discuss the wide variety of clinical options in critical care, examine the relevant research, and provide recommendations based on a thorough analysis of available evidence. Think through each question in a logical, efficient manner, using a practical, consistent approach to available management options and guidelines. Find the information you need quickly with tables that summarize the available literature and recommended clinical approaches. Navigate a full range of challenges from routine care to complicated and special situations. Stay up to date with new issues and controversies such as the redefinition of sepsis • changing approaches to fluid administration • immune suppression in sepsis • monitoring the microcirculation • the long-term sequelae of critical illness • minimizing ventilator associated lung injury • the benefits of evidence-based medicine management guidelines • rapid response teams • and more. Benefit from all-new sections covering persistent critical illness and the role of advanced practice nurses and physician assistants in the ICU.

'Acute and Critical Care Echocardiography' is the first practical guide dedicated to helping doctors use transthoracic echocardiography to manage acutely and critically ill patients. The text provides readers with a grounding in theoretical evidence-based aspects of critical care echocardiography. The work is mapped to the new accreditation syllabus in Advanced Critical Care Echocardiography set by the British Society of Echocardiography, ensuring that it is relevant to professional standards and teaches doctors exactly what they need to know. Self-assessment questions help readers retain what they have learned and revise for exams

This second edition of a classic text in nursing education describes the major domains of nursing practice in acute , critical and perioperative care within today's complex and technologically driven health care industry. Its focus on clinical reasoning - what it is and how it works - provides for a substantial text intended for undergraduate and graduate nursing students who are learning critical and acute care, for educators teaching clinical reasoning, and for those seeking to improve systems of care and leadership in clinical practice. Revised and updated to current pedagogy and practice needs, this second edition will expand upon the success of the first edition and become a classic on its own. Originally based on a three-year research project with interviews and observations of 205 RNs and APNs in critical care, emergency departments, perioperative areas, and emergency transport services, the second edition includes new interviews from acute care, critical care and perioperative nurses, and new commentary,

among other improvements. Attention is paid to current IOM and nursing guidelines for system approaches to patient safety, with education and leadership implications described throughout. The authors bring to the second edition over a decade of experience using the first edition in the classroom and in-service settings. Key Features: Updates the classic first edition to current pedagogy and practice needs Articulates major areas of knowledge/skill in acute, critical care, and perioperative nursing practice Provides vivid examples that foster clinical imagination, reflection, and lifelong learning Assists faculty, educators, APNs and preceptors in teaching/mentoring nurses how to clinically reason (recognizing recurring clinical syndromes and patterns)

This incisive reference systematically reviews the diagnosis and treatment of common surgical and medical emergencies in elderly patients-thoroughly examining surgical interventions, drug therapies and drug prescribing protocols, life-threatening drug reactions, ethical issues, and methods of profiling patients for nursing care. Evaluates disease states and gauges optimal responses to each, supporting recommendations with valuable case studies. Written by over 40 distinguished medical experts, *Acute Emergencies and Critical Care of the Geriatric Patient* describes ideal patient-physician relationships in critical care settings highlights emergency management of myocardial infarction and cardiogenic pulmonary edema illuminates ethical questions surrounding confidentiality, informed consent, surrogate decision making, and patient comfort assesses special pharmacokinetic and pharmacodynamic conditions in geriatric patients provides vital information on stroke, seizures, and spinal cord compression investigates critical complications caused by pneumonia, meningitis, and endocarditis explores acute lung disorders such as emphysema, chronic bronchitis, pneumonia, central nervous system dysfunction, and abnormal control of ventilation clarifies preoperative procedures for emergency surgery reviews anesthesia strategies for pulmonary, cardiovascular, renal, hepatic, and neurological conditions in the elderly and more! Including over 1000 references, tables, and illustrations, *Acute Emergencies and Critical Care of the Geriatric Patient* is an indispensable resource for geriatricians, primary care physicians, internists, emergency medicine physicians, intensivists, hospitalists, surgeons, anesthesiologists, orthopedists, cardiologists, psychiatrists, neurologists, and internists/residents in these disciplines, as well as nurses, pharmacists, and medical students.

Following the familiar, easy-to-use at a Glance format, and now in full-colour, *Acute Medicine at a Glance* is an accessible introduction and revision text for medical students. Fully revised and updated to reflect changes to the content and assessment methods used by medical schools, this at a Glance provides a user-friendly overview of Acute Medicine to encapsulate all that the student needs to know. This new edition of *Acute Medicine at a Glance: Fully revised and updated to increase coverage of acute medicine - a rapidly expanding area of medicine* Provides a simple and straightforward, yet rapid, introduction to the care of the acutely ill Provides a new feature - 'Pearls of Wisdom' to aid learning and understanding Increased coverage of neurological emergencies, acute and abdominal emergencies, arrhythmias, imaging and fluid management Ideal for medical students, junior doctors and nurses as they are increasingly required to acquire skills in managing acutely-ill patients

*Small Animal Critical Care Medicine* is a comprehensive, concise guide to critical care, encompassing not only triage and stabilization, but also the entire course of care during the acute medical crisis and high-risk period. This clinically oriented manual

assists practitioners in providing the highest standard of care for ICU patients. More than 150 recognized experts offer in-depth, authoritative guidance on clinical situations from a variety of perspectives. Consistent, user-friendly format ensures immediate access to essential information. Organ-system, problem-based approach incorporates only clinically relevant details. Features state-of-the-art invasive and non-invasive diagnostic and monitoring procedures, as well as an extensive section on pharmacology. Appendices provide conversion tables, continuous rate infusion determinations, reference ranges, and more.

This book is a practical, accessible guide to emergency situations encountered in critical care. Its easy-to-follow format and approach allows the reader to gain vital clinical information to use in emergencies.

This pocket guide is a single-volume source of the most common and important formulas and laboratory values used in the daily practice of acute care and critical care medicine. Information is presented in outline format and as tables, graphics, and algorithms to facilitate quick look up. Acute and Critical Care Formulas and Laboratory Values is designed to help clinicians to interpret clinical data, to apply formulas, and to understand laboratory values, and to integrate this information with their knowledge of pathophysiology to promote the delivery of evidence-based care.

- Essential formulas and laboratory values
- Multiple ways to derive a value, where appropriate
- Non-clinical formulas useful for understanding physiologic concepts or that underlie diagnostic tests or clinical measurement included
- Chapters divided by organ system
- Practical appendixes of “Abbreviations” and “Key Telephone Numbers”
- A special “Notes” section for recording frequently used formulas

The World Federation of Societies of Intensive and Critical Care Medicine (WFSIC- CM) has reached the age of maturity. Physicians, nurses, and many others associated with the field of Intensive and Critical Care Medicine will be coming from all corners of the world to Florence, Italy in August, 2009 to celebrate the 10th quadrennial congress. Every 4 years for the last 36 years, congresses in the magnificent venues of London (1973), Paris (1977), Washington (1981), Jerusalem (1985), Kyoto (1989), Madrid (1993), Ottawa (1997), Sydney (2001), and Buenos Aires (2005) have signified an ever-developing process which has resulted in the four pillars of the field of Intensive and Critical Care Medicine, namely partnership, ethics, professionalism, and competence. The first pillar is based on a stronger interdisciplinary collaboration and a multi-professional partnership in the field of Intensive and Critical Care Medicine. In recent decades, professional activity in medicine has been regulated by well-defined, universal principles, such as the welfare of the patient, autonomy, social justice, and the patient-physician relationship. The second pillar, ethics, has offered welcomed assistance to all these principles in establishing an ethics curriculum.

The thoroughly revised second edition of the Oxford Textbook of Critical Care is a comprehensive multi-disciplinary text covering all aspects of adult intensive care management. Uniquely the book takes a problem-orientated approach providing a reference source for clinical issues experienced every day in the intensive care unit. The text is organized into short topics allowing readers to rapidly access authoritative information on specific clinical problems. Each topic refers to basic physiological principles and provides up-to-date treatment advice supported by references to the most vital literature. Where international differences exist in clinical practice, authors cover alternative views. Key messages summarise each topic in order to aid quick review and decision making. Edited and written by an international group of recognized experts from many disciplines, the second edition of the Oxford Textbook of Critical Care provides an up-to-date reference that is relevant for intensive care units and emergency departments globally. This volume is the definitive text for all health care providers, including physicians, nurses, respiratory therapists, and other allied health professionals who take care of critically ill patients. This print edition of The

Oxford Textbook of Critical Care comes with a year's access to the online version on Oxford Medicine Online. By activating your unique access code, you can read and annotate the full text online, follow links from the references to primary research materials, and view, enlarge and download all the figures and tables.

This title presents key studies that have shaped the practice of critical care medicine. Selected using a rigorous methodology, the studies cover topics including: sedation and analgesia, resuscitation, shock, ARDS, nutrition, renal failure, trauma, infection, diabetes, and physical therapy

Emergency Management of the Hi-Tech Patient in Acute and Critical care helps practitioners stabilize and care for pediatric and adult patients who have specialized medical devices such as prosthetic valves, cochlear transplants, insulin pumps, orthopedic hardware, and ventriculoperitoneal (VP) shunts. Using a step-by-step approach to acute presentations of patients with clinical hardware, this concise yet comprehensive guide provides specific instructions for the initial evaluation and management of numerous clinical scenarios including device malfunctions, infections, trauma, surgical complications, and more. Encompassing management of both the patient and the device, the guide enables emergency and critical care clinicians to rapidly make appropriate treatment decisions without the immediate need for extensive research, extended discussions with subspecialists, or recalling complex diagnostic and therapeutic algorithms. Clear, concise, and easy-to-follow chapters—written by a panel of highly experienced experts across specialties—include numerous algorithms, figures, tables, diagrams, and color illustrations and clinical images. An invaluable resource for improving the quality of care for the unique hi-tech patient population, this advanced practical manual: Provides algorithms for the most common clinical scenarios of device malfunction and related complications Covers management of patients who have undergone major operations such as organ transplantation or complex congenital heart disease repair Presents detailed management plans for a wide range of hardware types and medical conditions Offers expert guidance to practitioners in settings where not all specialties are readily available, such as rural and remote areas or community hospitals Features contributions from a team of experts in various areas of adult and pediatric emergency and critical care medicine Emergency Management of the Hi-Tech Patient in Acute and Critical Care is a must-have clinical reference and guide for pediatric and adult emergency medicine physicians, general pediatricians, internists, general practitioners, critical care specialists, and allied health practitioners.

The ultimate, case-based guide for learning and teaching the art of diagnostic reasoning for acute and critical care nurse practitioners Written by experienced nurse practitioners working in acute and critical care settings, and endorsed by the American Association of Critical-Care Nurses (AACN), Acute & Critical Care Nurse Practitioner: Cases in Diagnostic Reasoning presents a wide range of acute and critical care patient cases focusing on diagnosis and management. This authoritative book is designed to help nurse practitioners and students learn how to proceed from a broad differential diagnosis to a specific management plan through expert analysis of patient data. While reconstructing the course of real-life clinical cases, the authors “think out loud” and reveal how they identify pertinent positives and significant negatives to support or refute items on their differential diagnoses list, and further incorporate laboratory and diagnostic testing results to establish a medical diagnosis. Each case includes a description of the management for the identified diagnosis. INCLUDES: · 71 cases based on real-life clinical scenarios · Analysis questions and case discussions to enable learners to actively participate in inductive and deductive reasoning · Cases that can be used to support course work, certification review, and job training The first of its kind, Acute & Critical Care Nurse Practitioner: Cases in Diagnostic Reasoning is an essential learning and teaching resource for students, clinicians, and clinical faculty to master the art of diagnostic reasoning.

This textbook represents a short update on original aspects of heart failure. It covers topics of heart failure management such as prevention, drug monitoring after heart transplant, and the critical care approach. There are also chapters on less common facets of this syndrome such as prevalence and features in a specific African region and the complexity of telemedicine in heart failure. In summary, it will be a valid adjunct to more exhaustive textbooks already available.

A practical, concise, and up-to-date reference for the ICU LANGE Critical Care delivers concise, evidenced-based, and highly clinical coverage of the surgical and medical aspects of critical care. The book provides basic fundamentals, applications and insights that will be of lasting value to all ICU physicians, nurses, advanced care providers, and allied personnel who care for the critically ill and injured patients in all ICUs. Noteworthy features include a well-illustrated Clinical Care Procedures section, high-yield summaries of the full spectrum of essential critical care topics, and the inclusion of "Controversies" chapters throughout each section addressing some of the ambiguous aspects of critical care. This timely book also covers the growing scope of critical care provided outside the ICU and the increasing importance of critical care services within the hospital structure. In keeping with the multi-professional nature of critical care delivery, several chapters are authored or coauthored by critical care fellows, ICU nurses, physician assistants, nurse practitioners, and pharmacists.

**FEATURES:** • Includes both the surgical and medical aspects of critical care, making it valuable to the intensivist working in the medical, surgical, or neurological ICU • Utilizes numerous visual elements such as figures, tables, and algorithms • Appendix contains valuable reference material and formulas, including a chapter on bedside statistics • Excellent primer for internal medicine and anesthesiology ICU rotations and great for board examination review

Acute and Critical Care Medicine at a Glance John Wiley & Sons

This practical guide provides the reader with answers to important clinically relevant questions regarding the evaluation and management of acute kidney injury (AKI). All aspects of critical care nephrology are covered, from pathophysiology and diagnosis to prevention and treatment. The questions considered relate to a wide range of issues, such as: How do I diagnose AKI? How can I protect the kidney in clinical practice? How do I manage patients with AKI? When should I initiate and how do I perform renal replacement therapy (RTT)? Which type of RTT is most appropriate for my patient? Should I give specific nutrients? In addition to providing practical guidelines and treatment algorithms, the book includes calculators for continuous RRT and anticoagulant dosing. The authors are internationally renowned experts in the fields of Intensive Care Medicine and Nephrology and all contributions are written in a clear and concise style and have been peer reviewed. Acute Nephrology for the Critical Care Physician will serve as a very useful source for intensivist internists, anesthesiologists and nephrologists involved in the management and treatment of critically ill patients at risk of or affected by AKI.

This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. Written by a paramedic with experience teaching at all levels (EMT-P, nurses, etc.)—this user-friendly text presents a practical, easy-to-understand system for 12-Lead ECG interpretation and assessment. Based on the nationally reknown 12-lead ECG workshop, "Multi-Lead Medics." A focus on the "need to know" information and a large number of practice cases—with over 400 actual 12-leads—provides students with the solid background and extensive hands-on practice that

will help them gain confidence and build competence quickly.

Back Cover Copy: Infectious Diseases and Antimicrobial Stewardship in Critical Care Medicine 4E has been fully updated and revised. The clinical diagnostic approach to common infectious disease problems in the CCU is the underlying theme in the book. Emphasized throughout is the importance of formulating an accurate early presumptive clinical syndromic diagnosis which is the basis for selecting optimal initial antimicrobial therapy in the CCU. Without an accurate presumptive clinical diagnosis, effective therapy is unlikely at best. Based on the most probable clinical diagnosis, optimal antibiotic empiric therapy, based on antimicrobial stewardship principles, minimizes resistance and antibiotic complications in the CCU. This new edition features chapters that explain the tenets of differential diagnostic reasoning, differential diagnostic characteristics of fever patterns in the CCU. The proper interpretation of rapid diagnostic tests, in the appropriate clinical context, is included. The diagnostic importance of cardinal clinical findings, particularly when combined, in the appropriate clinical context is emphasized and remains the basis for clinical problem solving in the CCU. Uniquely, critical diagnostic physical findings in the CCU, including color atlas of diagnostic eye findings, are included as important diagnostic determinants in the CCU. Written by infectious disease clinicians for CCU consultants, Infectious Diseases and Antimicrobial Stewardship in Critical Care Medicine 4E remains a useful evidence based and experience tempered key clinical resource for infectious disease problems in the CCU. Key Features Essentials of the tenets of clinical diagnostic reasoning is explained as it relates to formulating a rapid and accurate clinical syndromic diagnosis in the CCU The diagnostic significance of fever patterns and their relationship to the pulse rate in the proper clinical context is explained in depth as related to the CCU setting Formulating an accurate early clinical syndromic diagnosis is presented as essential since it is the basis of effective empiric antibiotic therapy in the CCU How to combine key non-specific laboratory and imaging findings to increase diagnostic specificity and diagnostic probability in the CCU is presented Clinical perspective on the proper interpretation of the clinical significance of rapid diagnostic test results in the CCU is included A clinical approach to apparent "antibiotic failure" in the CCU is presented either due to actual antibiotic failure or seeming but unrelated non-antibiotic failure Section focuses on the practical aspects of antimicrobial stewardship particularly as related to optimizing dosing effectiveness while minimizing resistance and adverse effects in the CCU

This new and updated edition is a practical guide to intensive care for the non-specialist, providing the core knowledge and principles of intensive care patient management. From general principles through to critical care outreach and end of life care, it covers best practice management in the intensive care unit. It includes the key organ system support as well as monitoring, sepsis, brain-stem death, and nutrition in intensive care. There is also full coverage of organ donation. This invaluable resource is highly illustrated in colour throughout with new images, references to key evidence, and further reading and resources in each chapter. It is ideal for junior doctors, medical students and specialist nurses working in an acute hospital setting and the ICU and neonatal ICU, and for anyone involved in the management and care of intensive care patients. Endorsed by the Intensive Care Society (UK) and the Scottish Intensive Care Society. This title is also available as a mobile App from MedHand Mobile Libraries.

