

Key Clinical Topics in Critical Care



Edited by

David Cullen, David A. Clark, & Mary E. Johnson

With Foreword by Michael E. Finkel



Key Topics In Critical Care

Fang Gao Smith, Joyce Yeung



Key Topics In Critical Care:

Key Clinical Topics in Critical Care Sara-Catrin Cook, Matt Thomas, Jerry Nolan, Michael Parr, 2014-06-09 *Key Clinical Topics in Critical Care* offers an indispensable and practical guide for exam revision and clinical practice. Written and edited by specialists with a wealth of clinical experience, this book provides rapid access to core topics in critical care. Each topic is written in a concise and easy-to-digest format, making this book the essential resource for exam revision and quick reference at the point of care. Over 100 topics presented in alpha order from acute coronary syndrome to weaning from ventilation. Succinct coverage of clinical features, diagnosis, treatment, and complications. Effective exam revision for FRCA, FFICM, and EDIC candidates. Includes clinical photos and diagrams to improve understanding of key concepts. Contributions from experienced specialists to ensure authoritative, accurate content.

Key Topics in Critical Care, Second Edition T. M. Craft, M. J. A. Parr, Jerry P. Nolan, 2004-11-10 High quality critical care medicine is a crucial component of advanced health care. Completely revised and updated, *Key Topics in Critical Care, Second Edition* provides a broad knowledge base in the major areas of critical care, enabling readers to rapidly acquire an understanding of the principles and practice of this area of modern clinical medicine. Expanded to include the latest hot topics, the new edition puts an increased emphasis on recent reviews and contains added references to key landmark papers. Using the trademark *Key Topics* style, each topic has been written by an expert in the field and includes a succinct overview of the subject with references to current publications for further reading. The book provides a framework for candidates of postgraduate medical examinations such as FRCS, MRCP, and FRCA, and a reference that can be consulted in emergency situations. New topics include Critical illness, polyneuromyopathy, End of life care, Inotropes and vasopressors, Medical emergency team outreach, critical care Status epilepticus, Venous thromboembolism.

Core Topics in Critical Care Medicine Fang Gao, Smith, Joyce Yeung, 2010-04-22 The critical care unit manages patients with a vast range of disease and injuries affecting every organ system. The unit can initially be a daunting environment with complex monitoring equipment producing large volumes of clinical data. *Core Topics in Critical Care Medicine* is a practical, comprehensive, introductory level text for any clinician in their first few months in the critical care unit. It guides clinicians in both the initial assessment and the clinical management of all CCU patients, demystifying the critical care unit and providing key knowledge in a concise and accessible manner. The full spectrum of disorders likely to be encountered in critical care are discussed, with additional chapters on transfer and admission, imaging in the CCU, structure and organisation of the unit, and ethical and legal issues. Written by Critical Care experts, *Core Topics in Critical Care Medicine* provides comprehensive, concise, and easily accessible information for all trainees.

Core Topics in Cardiothoracic Critical Care Andrew Klein, Alain Vuylsteke, Samer A. M. Nashef, 2008-03-13 Most patients with critical cardiac or thoracic conditions will at some stage pass through the cardiothoracic critical care unit. Critical care presents more complex clinical data than any other area of medicine. Continuous monitoring makes diagnosis easy and further

information can be easily obtained via a variety of diagnostic tools Core Topics in Cardiothoracic Critical Care will guide clinicians from all disciplines in the management of cardiothoracic patients demystifying the critical care unit and providing the key knowledge in a concise and accessible manner The central section is a detailed discussion of the management of each physiologic system additional sections cover admission general considerations in cardiothoracic critical care procedure specific care discharge and follow up structure and organization of the unit and ethical and legal issues All aspects of the overall care of the critically ill cardiothoracic patient are explained concisely and comprehensively by experts in the field

Core Topics in Cardiothoracic Critical Care Kamen Valchanov,Nicola Jones,Charles W. Hogue,2018-05-31 Most patients with critical cardiac or thoracic conditions will at some stage pass through the cardiothoracic critical care unit Critical care presents more complex clinical data than any other area of medicine The new edition of Core Topics in Cardiothoracic Critical Care focuses on the latest practise in the management of patients in cardiothoracic intensive care The practice of cardiothoracic critical care medicine is constantly evolving and this new edition reflects the modernized learning styles for trainees Each chapter includes key learning points as well as sample multiple choice questions and answers to assist in exam preparation This edition also features updated chapters on ECMO perioperative management of patients undergoing emergency cardiothoracic surgery and advanced modes of organ support for patients This text provides key knowledge in a concise and accessible manner for trainees clinicians and consultants from specialities and disciplines such as cardiology and anaesthesia and nursing and physiotherapy

Core Topics in Endocrinology in Anaesthesia and Critical Care George M. Hall,Jennifer M. Hunter,Mark S. Cooper,2010-04-01 Core Topics in Endocrinology in Anesthesia and Critical Care provides a comprehensive practical overview of the perioperative management of patients with endocrine disorders giving clear diagnostic advice and management guidelines This book considers the management of patients with endocrine disorders of the pituitary thyroid parathyroid and adrenal glands including rarer disorders such as MEN syndrome It then considers all aspects of the perioperative management of diabetic patients including paediatric obstetric and ambulatory patients Finally it discusses endocrine disorders in the critically ill patient covering such issues as the topical conundrum of glucose control and the management of diabetic metabolic acidosis thyroid storm and myxoedema coma Every chapter reviews the relevant anatomy and pathophysiology and the latest developments in defining the genetic causes are also considered where appropriate Core Topics in Endocrinology in Anesthesia and Critical Care is an invaluable tool for all anaesthetists and intensivists in their daily clinical practice

Key Topics in Management of the Critically Ill Marcela P. Vizcaychipi,Carlos M. Corredor,2015-11-11 This book is designed to assist clinicians who are new to intensive care by providing information on a range of important and novel topics of relevance in the day to day management of critically ill patients Guidance is given on the appropriate response to various emergencies and circumstances including stroke acute liver failure severe burns extreme pain and delirium The role of simulation training in the intensive care unit is discussed and

detailed attention is devoted to the application of modern techniques for the assessment of vital organs in the critical care setting such as echocardiography and lung ultrasound An individual chapter focuses on regional anesthesia in intensive care and in addition the book addresses subjects and issues that are frequently neglected Examples include transfer of the critically ill patient the role of forgotten electrolytes such as magnesium the use of non coumarin anticoagulants and neuropsychological rehabilitation The book will have broad appeal including for general intensivists anesthetists acute medicine physicians and medical students attached to acute specialties or preparing for exams in intensive care medicine

Hot Topics in Emergency and Critical Care, An Issue of Veterinary Clinics of North America: Small Animal Practice Elisa M. Mazzaferro, 2025-05-05 In this issue of Veterinary Clinics Small Animal Practice guest editor Dr Elisa Mazzaferro brings her considerable expertise to the topic of Hot Topics in Emergency and Critical Care Top experts discuss topics such as crystalloids versus colloids same controversy new information current standards and practices in small animal mechanical ventilation extracorporeal therapies in the emergency room and intensive care unit controversies of and indications for the use of glucocorticoids in the ICU and the emergency room and more Contains 9 relevant practice oriented topics including current and future practice in the diagnosis and management of sepsis and septic shock in small animals medical and surgical management of ureteral obstructions the use of biomarkers to track and treat critical illness update on canine parvoviral enteritis the microbiome in critical illness and more Provides in depth clinical reviews on hot topics in emergency and critical care offering 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 clinically significant topic based reviews

Critical Care Nursing - E-Book Linda D. Urden, Kathleen M. Stacy, Mary E. Lough, 2013-04-26 Praised for its comprehensive coverage and clear organization Critical Care Nursing Diagnosis and Management 7th Edition is the go to critical care nursing text for both practicing nurses and nursing students preparing for clinicals Nine sections highlight the alterations seen in critical care and make it easy to understand the unique challenges of critical care nursing An abundance of learning tools such as Patient Safety Alerts Evidence Based Practice boxes NIC interventions case studies Pharmacologic Management boxes and more give you a better understanding of clinical practice and help you reference vital information quickly and easily Consistent organization within each body system unit allows you to use this book as a one stop resource for your critical care nursing education as well as a reference for the relevant assessment techniques lab values and patient management principles needed by practicing nurses Evidence Based Practice boxes reinforce practice guidelines for both collaborative and nursing care Case studies in each chapter help you internalize and apply chapter content to clinical situations Pharmacologic Management tables offer quick summaries of the drugs most often used in critical care Patient Safety Alerts provide key information for special safety issues to keep safety in the forefront of your mind Nursing Management Plans of Care appendix provides detailed clinically relevant care plans tied

to 35 different NANDA nursing diagnoses Highlighted QSEN content makes it easy to identify QSEN competencies as they relate to critical care nursing Internet Resources box provides a list of key websites from leading organizations in critical care Combined chapter on shock sepsis and multiple organ dysfunction syndrome makes understanding similar physiologic processes easier Chapter summaries provide quick study guides by organizing key information in the chapter New 6 second standard ECG strips help you learn to identify wave forms and accurately reflect what you ll use in practice New equipment information and photos accurately depicts what you ll encounter in a modern critical care unit *Critical Care*

Nursing,Diagnosis and Management,7 Linda Diann Urden,Kathleen M. Stacy,Mary E. Lough,2013-05-01 Praised for its comprehensive coverage and clear organization Critical Care Nursing Diagnosis and Management is the go to critical care nursing text for both practicing nurses and nursing students preparing for clinicals *Core Topics in Obstetric Anaesthesia*

Kirsty MacLennan,Kate O'Brien,W. Ross Macnab,William MacNab,2015-10-26 Easily accessible up to date reference for anaesthetists in the delivery suite as a revision guide or aide memoire *Core Topics in Cardiac Anaesthesia* Joseph

Arrowsmith,Andrew Roscoe,Jonathan Mackay,2020-04-23 A concise and practical teaching tool with numerous tables and figures covering core topics in cardiac anaesthesia and transoesophageal echocardiography **Core Topics in**

Perioperative Medicine Jonathan Hudsmith,Dan Wheeler,Arun Gupta,2003-01-08 Undergraduate medical education is continuously changing to meet the requirements for the training of future medical practitioners Over the last few years the concept of perioperative medicine has evolved encompassing the preoperative assessment and optimisation of patients the intraoperative and postoperative management of these patients and importantly the diagnosis and treatment of the critically ill patient The relevance of this to undergraduate medical students is obvious Core Topics in Perioperative Medicine provides concise informative chapters on many aspects of perioperative medicine allowing medical students to bridge the gap between final year clinical attachments in this specialty and first year house officer jobs It aims to guide the reader through the perioperative period via short up to date chapters each giving a comprehensive account of the subject and its relevance to perioperative medicine **Medical Education in Pulmonary, Critical Care, and Sleep Medicine** Patricia A.

Kritek,Jeremy B. Richards,2019-05-14 This is a book for clinician educators It offers modern evidence based practices to use in teaching learners at a range of levels with an emphasis on concrete strategies that teachers can implement in their own clinical practices as well as in small and large group settings Medical education is rapidly changing with emerging evidence on best practices and a proliferation of new technologies As strategies for effectively teaching medical learners evolve it is important to understand the implications for Pulmonary Critical Care and Sleep Medicine PCCM This text is structured to allow easy access to the reader Chapters are organized around level of learner e g medical student to PCCM fellow to practicing physicians as well as the location of teaching Given the variety of clinical settings in which PCCM physicians teach specific consideration of best practices broad changes in curricular design and pedagogy are considered in different clinical

contexts Each chapter begins with a focus on why the topic is important for clinician educators A review of the available evidence and relevant medical education theory about the topic follows with examples from specific studies that provide insight into best practices regarding the concepts and topics discussed in the chapter For chapters focusing on learners different environments are considered and similarly if the focus is on the learning environment attention is paid to the approach to different learners Each chapter ends with a summary of the primary points from the chapter and concrete examples of how clinician teachers can put the concepts discussed in the chapter into practice This is an ideal guide for educators in pulmonary critical care and sleep medicine

Core Topics in Pain Anita Holdcroft, Sian Jaggard, 2011-03-03
Originally published in 2005 Core Topics in Pain provides a comprehensive easy to read introduction to this multi faceted topic It covers a wide range of issues from the underlying neurobiology through pain assessment in animals and humans diagnostic strategies clinical presentations pain syndromes to the many treatment options for example physical therapies drug therapies psychosocial care and the evidence base for each of these Written and edited by experts of international renown the many concise but comprehensive chapters provide the reader with a guide to all aspects of pain It is an essential book for anaesthetic trainees and is also an invaluable first reference for surgical and nursing staff ICU professionals operating department practitioners physiotherapists psychologists healthcare managers and researchers with a need for an overview of the key aspects of the topic

Core Topics in Airway Management Ian Calder, Adrian Pearce, 2010-12-16
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

Textbook of Critical Care E-Book Jean-Louis Vincent, Edward Abraham, Patrick Kochanek, Frederick A. Moore, Mitchell P. Fink, 2011-05-12
Textbook of Critical Care by Drs Jean Louis Vincent Edward Abraham Frederick A Moore Patrick Kochanek and Mitchell P Fink remains your best source on effective management of critically ill patients This trusted reference acclaimed for its success in bridging the gap between medical and surgical critical care now features an even stronger focus on patient outcomes equipping you with the proven evidence based guidance you need to successfully overcome a full range of practice challenges Inside you ll find totally updated coverage of vital topics such as coagulation and apoptosis in certain critical care illnesses such as acute lung injury and adult respiratory

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Small Animal Critical Care Medicine - E-Book Deborah Silverstein, Kate Hopper, 2008-04-21 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

Nutrition in Critical Care - Where are we now? An Issue of Critical Care Clinics Paul Wischmeyer, Emma Ridley B, 2025-04-28 In this issue of Critical Care Clinics guest editors Drs Paul Wischmeyer and Emma Ridley bring their considerable expertise to the topic of Nutrition in Critical Care Where Are We Now Top experts cover key issues surrounding this important topic including early feeding in critical care dysphagia communication and the impact on nutrition in critical care the patient experience of nutrition during critical illness novel strategies to promote recovery and rehabilitation and much more Contains 13 relevant practice oriented topics including what recent trials have shown us about protein autophagy why a one size fits all approach won't work with ICU nutrition the microbiome's evolving role in critical care critical care nutrition for children and more Provides in depth clinical reviews on nutrition in critical care offering 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 clinically significant topic based reviews

Critical Care

Medicine Michael James Murray, 2002 This authoritative reference published under the auspices of the American Society of Critical Care Anesthesiologists ASCCA is now in its Second Edition More than 100 internationally recognized experts present state of the art strategies for successful cost effective perioperative care and management of acutely ill patients This thoroughly revised edition features many distinguished new contributors from anesthesiology critical care medicine internal medicine surgery and pediatrics Timely new chapters cover medical informatics evidence based medicine human genomics research in critical care medicine and imaging in the ICU Chapters on acute respiratory distress syndrome sepsis and other diseases have been rewritten to reflect recent technological and therapeutic breakthroughs

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