

Critical Care Emergency Medicine Second Edition

Managing emergency and critical care situations is a daily challenge for veterinary practitioners caring for small animals. The appropriate treatment must be undertaken as quickly as possible and the most life-threatening problem tackled first. This second edition of Small Animal Emergency and Critical Care Medicine provides more than 200 new randomly organized cases in the form of integrated questions, illustrations, and detailed explanatory answers. The concise, simulation-oriented format helps readers test their skills in emergency situations and gain practice making rapid decisions about diagnosis and treatment plans. The book covers all aspects of emergency and critical care medicine where a coordinated team approach to patient care is needed. It is an essential reference for newly qualified veterinary practitioners, technicians, nurses, students, and examination candidates.

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.

Containing high quality images, this book presents the common visual diagnoses that are either pathognomonic or suggestive of specific illnesses. Organized randomly as a patient would present their 'chief complaint' rather than neatly into topics, this book is an invaluable aid for all health care personnel who manage patients in acute care settings. This book is also ideal for national examination review.

The aim of this comprehensive encyclopedia is to provide detailed information on intensive care medicine contributing to the broad field of emergency medicine. The wide range of entries in the Encyclopedia of Intensive Care Medicine are written by leading experts in the field. They will provide basic and clinical scientists in academia, practice, as well as industry with valuable information about the field of intensive care medicine, but also people in related fields, students and teachers will benefit from the important and relevant information on the most recent developments in emergency medicine. The Encyclopedia will contain 4 volumes, and published simultaneously online. The entire field has been divided into 14 sections. All entries will be arranged in alphabetical order with extensive cross-referencing between them.

Intensive care medicine is one of the fastest growing services provided by hospitals and perhaps one of the most expensive. Yet in response to the global financial crisis of the last few years, healthcare funding is slowing or decreasing throughout the world. How we manage health care resources in the intensive care unit (ICU) now and in a future that promises only greater cost constraints is

the subject of this book, the third in an informal series of volumes providing a global perspective on difficult issues arising in the ICU. Taking 12 developed countries as their focus, leading experts provide a country-by-country analysis of current ICU resource allocation. A second group of experts use the chapters as a departure point to analyze current ICU resource allocation at the level of the global medical village. The process is repeated, but with an eye toward the future – first country by country, then at the global level – that takes into account initiatives and reforms now underway. A fictional healthcare plan, the “Fair & Equitable Healthcare Plan,” is put forth to address weaknesses in existing approaches, and healthcare experts and ethicists are invited to respond to its often provocative provisions. Itself structured as a dialogue, the book is an excellent way to start or to continue serious discussion about the allocation of ICU healthcare resources now and in the years ahead.

Welcome to the new gold standard in critical care transport training. Published in conjunction with the American Academy of Orthopaedic Surgeons (AAOS) and the American College of Emergency Physicians (ACEP), Critical Care Transport offers cutting edge content relevant to any healthcare provider training in critical care transport. Like no other textbook in this market, Critical Care Transport thoroughly prepares medical professionals to function as competent members of a critical care team by covering the material that everyone—paramedics, nurses, physicians, and specialty crew—needs to know to operate effectively in the prehospital critical care environment. This book meets the curricula of major critical care training programs, including University of Maryland, Baltimore County (UMBC). It covers both ground and flight transport, and meets the objectives of critical care transport certification exams such as the Certified Flight Paramedic (FP-C) exam administered by the Board for Critical Care Transport Paramedic Certification. Content includes information specific to prehospital critical care transport, such as flight physiology, lab analysis, hemodynamic monitoring, and specialized devices such as the intra-aortic balloon pump. Standard topics such as airway management, trauma, and pharmacology are covered in the context of critical care. Chapters have been authored by leading critical care professionals across the country and represent the most current, state-of-the-art information on management of critical care patients.

The second edition of the Oxford Handbook of Critical Care Nursing has been fully revised to reflect a more systematic approach to care delivery and to follow the patient pathway. Focused on the practical issues of nursing care and nursing procedures, this handbook has been written by nurses, for nurses. Reflecting current best practice, the Oxford Handbook of Critical Care Nursing is an easily accessible and evidence-based guide for all levels of nursing staff working in critical care environments. It provides the nurse at the bedside with the answers to day-to-day problems experienced when caring for critically ill patients, and is also a guide to some of the less commonly encountered issues. The new edition of this handbook will continue to help support novice and experienced staff in critical care environments. Now including more detail on the psychological issues facing critically ill patients, and more information on the intricacies of receiving a critically ill patient and transferring from a critical care environment, this handbook is a concise, practical, and comprehensive resource.

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. Critical Care Transport, Second Edition with Navigate 2 Preferred Access includes a digital access code that unlocks a complete eBook, Study Center, Homework and Assessment Center, and a dashboard that reports actionable data. Emphasizing evidence-based therapy for critically ill or injured dogs and cats, Small Animal Critical Care Medicine, 2nd Edition puts diagnostic and management strategies for common disorders at your fingertips. It covers critical care medical therapy, monitoring, and prognosis — from triage and stabilization through the entire course of acute medical crisis and intensive care treatment. To make therapeutic decisions easier, clear guidelines address underlying clinical findings, pathophysiology, outpatient follow-up, and long-term care. From lead editors Deborah Silverstein and Kate Hopper, along with a Who's Who of experts from the veterinary emergency and critical care world, this comprehensive reference helps you provide the highest standard of care for ICU patients. Over 200 concise chapters are thoroughly updated to cover all of the clinical areas needed for evaluating, diagnosing, managing, and monitoring a critical veterinary patient. More than 150 recognized experts offer in-depth, authoritative guidance on emergency and critical care clinical situations from a variety of perspectives. A problem-based approach focuses on clinically relevant details. Practical, user-friendly format makes reference quick and easy with summary tables, boxes highlighting key points, illustrations, and algorithmic approaches to diagnosis and management. Hundreds of full-color illustrations depict various emergency procedures such as chest tube placement. Appendices offer quick access to the most often needed calculations, conversion tables, continuous rate infusion determinations, reference ranges, and more. All-NEW chapters include Minimally Invasive Diagnostics and Therapy, T-FAST and A-FAST, Systemic Inflammatory Response Syndrome (SIRS), Multiple Organ Dysfunction Syndrome (MODS), Sepsis, Physical Therapy Techniques, ICU Design and Management, and Communication Skills and Grief Counseling. NEW! Coverage of basic and advanced mechanical ventilation helps you in deliver high-quality care to patients with respiratory failure. NEW! Coverage of increasingly prevalent problems seen in the Intensive Care Unit includes multidrug-resistant bacterial infections and coagulation disorders. NEW chapters on fluid therapy and transfusion therapy provide information on how to prevent complications and maximize resources. UPDATED coagulation section includes chapters on hypercoagulability, platelet function and testing, anticoagulant therapy, and hemostatic drugs.

Emergency medicine attendings who wish to hone their teachingskills can find a number of books on educational strategies writtenby physicians from other disciplines. However, until thepublication of the first edition of this book, they did not haveaccess to a text written by emergency medicine physicians onmethods of teaching that are directly

applicable to teaching EM. This book was compiled to meet that need. Following the introductory section, which provides important background information, the book's contents are organized into 4 sections that correspond to the core needs and interests of EM educators: Section 2 focuses on practical and ethical considerations of teaching in the ED; Section 3 provides strategies for teaching specific groups of learners; Section 4 looks at the skills that are characteristic of the best EM educators; and Section 5 looks in depth at specific teaching techniques and strategies. Now more than ever this book addresses the needs of physician educators from all over the world. New chapters discuss lecturing to an international audience; using simulation as a teaching tool; how to make journal club work for you, and other topics that are of broad interest to medical educators in this field. In general, each chapter has been updated and reviewed to make sure the content was something that emergency physician educators could use in any country. The chapter contributors are widely regarded as leaders in the field of emergency medicine education and faculty development. Authors were given free rein to develop their chapters and write in their own style. They were asked to present their personal views on how to successfully teach the art of emergency medicine, rather than review evidence-based guidelines regarding medical education. As a result, most of the chapters have few references. This first-person approach to a multi-authored textbook yields a compilation that varies in style from chapter to chapter and exposes the reader to a variety of communication techniques.

The Washington Manual of Critical Care is a concise pocket manual for physicians and nurses. It is distinguished from the multitude of other critical care handbooks on the market by its consistent presentation of algorithms displaying the decision-making pathways used in evaluating and treating disorders in the ICU. The new edition transitions to a full color format and will include coverage of Deep Venous Thrombosis/Pulmonary Embolism, fetal-maternal critical care, *C. difficile* infection, and alternative hemodynamic monitoring.

This edition of *Bouncebacks! Emergency Medicine* books examines the bounceback visit, putting the reader in the footsteps of the clinician as the patient deteriorates. The story pauses at important decision points as possible management strategies are reviewed in a literature-based fashion, followed by a revelation of the path chosen by the actual provider. As the patient's course progresses, we reach additional decision points and address further clinical questions. In addition to our chapter authors, many with expertise in critical care emergency medicine, we have an all-star lineup of expert-whisperers: first an EM/critical care section editor (below) and second, EMCRI.org's double-boarded critical care guru, Scott Weingart. Their comments are inserted in grey boxes and are intended to give tips and tricks borne of experience and to provide context to the literature, "as if" they are standing over our shoulder and advising during a resuscitation. Additionally, there are three chapters where we address the medical-legal aspects of care. Enter

Greg Henry MD, past president of The American College of Emergency Physicians (ACEP) and one of the most experienced physician medical-legal experts in the country. He opines on the approach that both the defense and plaintiff would likely pursue and, by extension, how we can make patients safer through our evaluation and documentation before there is an adverse outcome. Whereas, these chapters contain the actual documentation from the ED chart, a very few chapters have slight modifications to the final aspects of the return visit at decision point 3, to allow for exploration of different critical care scenarios. There is still plenty of commentary on the documentation, missed red-flags, and what could have been done to improve care at the initial visit. Our goal is to make each chapter challenging, dynamic, and realistic... to move us from "standard of care" to "excellence in care." Book Review: "It's back, it's Bouncebacks! One of the mostly widely read and highly regarded education series in all of Emergency Medicine. Clinicians fear the medical malpractice landscape, but Mike Weinstock and the team give you all the tools you need to protect yourselves.

Documentation people, documentation. Now with a critical care version. Read this book, sleep better at night, as simple as that! Love, love this series!" -- Mel Herbert, MD, MBBS, BMedSci, FACEP, FAAEM Professor of Emergency Medicine at the Keck School of Medicine LAC + USC Medical Center, Owner and Editor of EM: RAP

This new addition to the popular 100 cases series explores common clinical scenarios that will be encountered by the medical student and junior doctor during practical training in the emergency department, in the community and in intensive and critical care settings, and which are likely to feature in qualifying examinations. The book covers a broad range of presentations, organized by sub-specialty area for ease of reference. Comprehensive answers highlight key take home points from each case and provide practical advice on how to deal with the challenges that occur when practising emergency and critical care medicine at all levels.

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.

Concise yet up-to-date review of the most commonly encountered topics related to the critical care, trauma and emergency arena. All facets of medical profession may benefit, including doctors, nurses, pharmacists, respiratory

therapist, physical, occupational, speech/language therapist. Emergency medical techs will also find it very useful in the field.

Textbook of Critical Care is an extensive two volume guide to all aspects of critical care. The first volume covers systems of the human body in individual sections; the second volume continues to cover other vital topics for those working in an intensive care unit. With over 100 international contributors ensuring authoritative content throughout, and full colour illustrations across 1500 pages, Textbook of Critical Care is a valuable resource for residents, intensivists, and emergency medicine doctors.

Critical Care Emergency Medicine, Second Edition McGraw-Hill Education / Medical

The fact that all veterinarians see emergencies on a regular basis, and the increasing importance of emergency medicine and critical care in veterinary medicine, have helped make this one of the best-selling books in The Secrets Series® and in veterinary medicine and critical care. Dr. Wingfield is one of the preeminent authorities in this field, and the new edition is completely revised and updated, featuring a number of new authors, with new chapters on disaster medicine and the transfusion trigger. Critical care management of dogs and cats are also covered.

SHARPEN YOUR CRITICAL THINKING SKILLS AND IMPROVE PATIENT CARE Experience with clinical cases is key to mastering the art and science of medicine, and ultimately to providing patients with competent clinical care. Case Files®: Critical Care, Second Edition provides 42 true-to-life cases that illustrate essential concepts in critical care. Each case includes an easy-to-understand discussion correlated to key concepts, definitions of key terms, clinical pearls, and board-style review questions to reinforce your learning. With Case Files®, you'll learn instead of memorize. • The Second Edition has been revised throughout to reflect the very latest standard-of-care updates • 42 high-yield cases, each with board-style questions, teach diagnostic or therapeutic approaches relevant to critical care medicine • Explanations for the cases emphasize the mechanisms and underlying principles • Complete discussion of each case makes this an instructive and practical primer for critical care rotations • Perfect for residents, medical students, physician assistants and nurse practitioners working in the ICU

Emphasizing evidence-based therapy for critically ill or injured dogs and cats, Small Animal Critical Care Medicine, 2nd Edition puts diagnostic and management strategies for common disorders at your fingertips. It covers critical care medical therapy, monitoring, and prognosis - from triage and stabilization through the entire course of acute medical crisis and intensive care treatment. To make therapeutic decisions easier, clear guidelines address underlying clinical findings, pathophysiology, outpatient follow-up, and long-term care. From lead editors Deborah Silverstein and Kate Hopper, along with a Who's Who of experts from the veterinary emergency and critical care world, this comprehensive reference helps you provide the highest standard of care for ICU patients. Over 200 concise chapters are thoroughly updated to cover all of the clinical areas needed for evaluating, diagnosing, managing, and monitoring a critical veterinary patient. More than 150 recognized experts offer in-depth, authoritative guidance on emergency and critical care clinical situations from a variety of perspectives. A problem-based approach focuses on clinically relevant details. Practical, user-friendly format makes reference quick and easy with summary tables, boxes highlighting key points, illustrations, and algorithmic approaches to diagnosis and management. Hundreds of full-color illustrations depict various emergency procedures such as chest tube placement. Appendices offer quick access to the most often needed calculations, conversion tables, continuous rate infusion determinations, reference ranges, and more. All-NEW chapters include Minimally Invasive Diagnostics and Therapy, T-FAST and A-FAST, Systemic Inflammatory Response Syndrome (SIRS), Multiple Organ Dysfunction

Syndrome (MODS), Sepsis, Physical Therapy Techniques, ICU Design and Management, and Communication Skills and Grief Counseling. NEW! Coverage of basic and advanced mechanical ventilation helps you in deliver high-quality care to patients with respiratory failure. NEW! Coverage of increasingly prevalent problems seen in the Intensive Care Unit includes multidrug-resistant bacterial infections and coagulation disorders. NEW chapters on fluid therapy and transfusion therapy provide information on how to prevent complications and maximize resources. UPDATED coagulation section includes chapters on hypercoagulability, platelet function and testing, anticoagulant therapy, and hemostatic drugs.

From the American College of Emergency Physicians and the ACEP Bookstore (www.acep.org/bookstore). For physicians and all other health care providers who care for critically ill patients in emergency departments. Covers all aspects of resuscitation and management. Every chapter highlights critical points and pearls, along with management algorithms for quick reference. Chapters cover undifferentiated shock, fluid management, post-cardiac arrest management, septic shock, ultrasonography, critically ill neonates, transfusions, cardiogenic shock, pulmonary embolism, and much more.

Looking for a brief but authoritative resource to help you manage the types of complex cardiac, pulmonary, and neurological emergencies you encounter as a resident or attending emergency room physician? Look no further than *Decision Making in Emergency Critical Care: An Evidence-Based Handbook*. This portable guide to rational clinical decision-making in the challenging – and changing – world of emergency critical care provides in every chapter a streamlined review of a common problem in critical care medicine, along with evidence-based guidelines and summary tables of landmark literature. Features Prepare for effective critical care practice in the emergency room's often chaotic and resource-limited environment with expert guidance from fellows and attending physicians in the fields of emergency medicine, pulmonary and critical care medicine, cardiology, gastroenterology, and neurocritical care. Master critical care fundamentals as experts guide you through the initial resuscitation and the continued management of critical care patients during their first 24 hours of intensive care. Confidently make sustained, data-driven decisions for the critically ill patient using expert information on everything from hemodynamic monitoring and critical care ultrasonography to sepsis and septic shock to the ED-ICU transfer of care.

Emergency and critical care medicine is one of the fastest growing fields of veterinary practice. Virtually every life-threatening disease can present for emergency evaluation, requiring knowledge of internal medicine, neurology, cardiology, oncology, anesthesia, and much more. Rapid and effective application of this knowledge can mean the difference between life and death for the animal. Critical care requires the recognition of subtle changes in the clinical course of animals, and the ability to take corrective action before severe systemic disease becomes irreversible. Clinical decisions regarding seemingly small items, such as fluid therapy, antibiotics, or analgesics, can have a profound impact on patient outcome. This book focuses on management of the more common emergency and critical care conditions encountered in clinical practice, collated in a concise manual. There are chapters on emergencies affecting each body system, on toxicology and other environmental causes, and on critical care techniques ranging from patient monitoring, anesthesia and analgesia to fluid therapy, transfusion medicine and nutritional support, plus a chapter describing clinical skills and procedures. The text is illustrated by top-quality color photos, imaging and diagrams, and key information is highlighted in tabular form. The authors combine experience in teaching and in clinical practice, and provide a ready resource for all those actively engaged in the field: practitioners and trainees, technicians, and nurses. Welcome to the gold standard in critical care transport training. Published in conjunction with the American Academy of Orthopaedic Surgeons (AAOS) and the American College of Emergency Physicians (ACEP), and endorsed by the University of Maryland, Baltimore

County (UMBC) and the International Association of Flight and Critical Care Providers (IAFCCP), *Critical Care Transport, Second Edition*, offers cutting-edge content relevant to any health care provider training in critical care transport. Authored by leading critical care professionals from across the country, *Critical Care Transport, Second Edition*, contains state-of-the-art information on ground and flight transport that aligns with the latest evidence-based medicine and practices. Content includes information specific to prehospital critical care transport, such as flight physiology, lab analysis, hemodynamic monitoring, and specialized devices such as the intra-aortic balloon pump. Standard topics such as airway management, tra

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Portable, concise and evidence-based clinical information on critical care topics for medical students and residents.

This book addresses the ethical problems that physicians have to face every day while caring for critically ill patients. Advances in medical technology, ageing societies worldwide, and their increased demands on health care systems have, on the one hand, led to better care and remarkable longevity in many parts of the world. On the other hand, however, improved treatments in many medical fields, amongst others in emergency and critical care, have resulted in more patients surviving with reduced quality of life. This entails tradeoffs for many patients, their families, and the teams caring for them. At the same time, health care expenditures have risen dramatically and have to be balanced against costs for other public goods. Finally, the humane aspects of care have often failed to keep pace with the remarkable technological strides made in recent years. In this book, experts in their respective fields describe compelling ethical challenges resulting from these discrepancies and discuss potential solutions. The book is primarily intended for clinicians who care for two of the most vulnerable patient subpopulations – those being treated in ambulances or emergency rooms, and those being treated at intensive care units – due in part to the fact that they may be temporarily or permanently incapacitated. Core medical skills, such as diagnosis and predicting outcomes, as well as implementing treatment, remain challenging. However, without adequate communication and collaboration both within the inter-professional treatment teams and between the teams and the patients/their families, delivering excellent care is difficult at best. Therefore, the so-called “soft skills” are given the attention they deserve in order to overcome the gap between technological progress and interpersonal standstill.

Manual of Small Animal Emergency and Critical Care Medicine, Second Edition presents essential information on common emergencies in small animals using a concise, practical outline format. Offering a thorough update to this classic reference, the new edition provides new chapters on orthopedic injuries and wound management, significant revisions to the treatment protocols, and expanded toxicology information, as well as new references and drug information. The book retains its logical division into two parts, the first covering initial stabilization and the second offering a systems approach to specific conditions. As in the previous edition, chapters are extensively indexed and cross-referenced to facilitate ease of use in emergency situations. With many formulas, tables, drug dosages, and illustrations, *Manual of Small Animal Emergency and Critical Care Medicine* is an indispensable, convenient resource for busy emergency clinicians, whether they are new graduates or seasoned professionals.

The expense of critical care and emergency medicine, along with widespread expectations for good care when the need arises, pose hard moral and political problems. How should we spend our tax dollars, and who should get help? The purpose of this volume is to reflect upon our choices. The authors whose papers appear herein identify major difficulties and offer various solutions to them. Four topics are discussed

throughout the volume: First, encounters between patients and health professionals in critical situations in general, and where scarcity makes rationing necessary; second, allocation and social policy, including how much to spend on preventive, chronic or critical care medicine, or for medicine in general compared to other important social projects; third, conflicts between or ranking of important goals and values; and fourth, conceptual issues affecting the choices we make. Since these topics are raised by the authors in almost every essay, we did not divide the papers into separate sections within the volume. Warren Reich begins the volume with a parable illustrating a key problem for contemporary medicine and two very different approaches to its solution. His story begins with the "delivery" of three indigent, critically ill, foreign patients to the emergency room of a large American private hospital. Although the hospital is legally bound to care for these patients, providing long term, high cost care for them and others soon becomes a major financial strain.

Companion to: Neurologic complications of critical illness / Eelco F.M. Wijdicks. 3rd ed. 2009.

Veterinary Emergency and Critical Care Procedures, Second Edition is a step-by-step guide to key emergency and critical care procedures encountered in both general and specialty practice. Now in full color, the second edition includes several new procedures, two new chapters covering cardiopulmonary resuscitation and continuous rate infusions, and a companion website offering videos demonstrating most of the procedures featured in the book. Helpful hints have also been added throughout to make the book even more useful in the practice setting. Each procedure includes information on the background, supplies needed, indications, and contraindications, followed by a series of images demonstrating the technique. This practical resource, ideally designed for use in fast-paced emergency situations, is an indispensable reference for any member of the veterinary team.

A unique question-and-answer book for surgical residents and trainees that covers all surgical aspects of critical care and acute or emergency medicine This is a comprehensive, one-of-a-kind question-and-answer text for medical professionals and apprentices concentrating on the growing subspecialty of surgery in critical care and emergency surgery. Covering all surgical aspects of critical care and acute or emergency surgery, it is an ideal learning and review text for surgical residents and trainees who care for these patients and those taking the Surgical Critical Care Board Examination. Edited by highly experienced professionals, and written in an engaging style, Surgical Critical Care and Emergency Surgery: Clinical Questions and Answers focuses exclusively on the unique problems and complexity of illnesses of the critically ill and injured surgical patient, and covers the specialist daily care such patients require. It reflects the latest advances in medical knowledge and technology, and includes fully revised and updated questions throughout, with additional topics addressed in a new companion website. Unique question-and-answer book on the growing specialty of critical care and acute surgery Ideal for US boards candidates Covers trauma and burns as well as critical care 8 page full-color insert showing high quality surgical photos to aid study Supplementary website including additional questions Surgical Critical Care and Emergency Surgery, Second Edition is an excellent resource for medical students, residents, fellows, and surgeons, as well as those in non-surgical specialties.

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 specialties, 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.

Deliver quality healthcare in the most challenging field conditions Full of practical clinical pearls and proven strategies, this indispensable guide shows you how to operate outside your comfort zone and devise effective treatment solutions when the traditional tools (medications, equipment, and staff) are unavailable—or when you need to provide care outside of your specialty. *Improvised Medicine* is a must for anyone who plans to work in global, disaster, or other resource-poor settings. **FEATURES:** Simple-to-follow directions, diagrams, and illustrations describe practical techniques and the improvised equipment necessary to provide quality care during crises. Contains improvisations in anesthesia and airway management, dentistry, gynecology/obstetrics, infectious disease/laboratory diagnosis, internal medicine, otolaryngology, pediatrics and malnutrition, orthopedics, psychiatry, and surgery. Also includes basic disaster communication techniques, post-disaster forensics, a model hospital disaster plan, and innovative patient-transport methods. **LEARN HOW TO:** Make an endotracheal tube in seconds Perform digital-oral and blind-nasotracheal intubations Make plaster bandages for splints/casts Give open-drop ether, ketamine drips, and halothane Use subcutaneous/intraperitoneal rehydration/transfusion Make ORS and standard nutrition formulas Clean, disinfect, and sterilize equipment for reuse Warm blood units in seconds inexpensively Take/view stereoscopic x-rays with standard equipment Quickly and easily stop postpartum hemorrhage Fashion surgical equipment from common items Evacuate patients easily for high-rise hospitals Make esophageal and precordial stethoscopes Quickly improvise a saline lock Make ECG electrode/defibrillator pads and ultrasound gel

The groundbreaking text on critical care emergency medicine – updated with the latest evidence and recommendations *Critical Care Emergency Medicine* has become the standard reference for all clinicians who wish to understand the overlap between emergency medicine and critical care. Much like the field of emergency medicine itself, this text is a collaborative effort involving emergency physicians as well as clinicians from trauma, critical care, infectious diseases, and pulmonary medicine. *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. Incorporating the wisdom of both academic and community emergency medicine experts, *Critical Care Emergency Medicine, Second Edition* delivers expert coverage of: • Airway and Ventilatory Support • Pulmonary Disorders • Cardiovascular Disorders • Gastrointestinal and Renal Disorders • Neurologic and Neurosurgical Disorders • Hematologic and Endocrine Disorders • Infectious Disorders • Toxicologic Conditions • Ultrasonography in Critical Care • Special Considerations (including nutritional support, end-of-life issues, fluid management, and more) If you are looking for an up-to-date, evidence-based text designed to take your critical care to the next level, your search ends here.

Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill levels. Provides a comprehensive reference on emergency and critical care medicine for veterinary technicians of all skill levels, and veterinary assistants. *Veterinary Technician's Manual for Small Animal Emergency and Critical Care, Second Edition* provides an in-depth and cutting-edge, yet easy-to-navigate, reference on emergency and critical care for veterinary paraprofessionals of all skill levels. Written by leading veterinary technician specialists (VTS) in emergency and critical care Completely revised and substantially updated, with new emphases on anatomy, physiology, nursing skills, and evidence based medicine Features five new chapters covering mechanical ventilation, pain management, renal

replacement therapy, nursing skills and procedures, and life as an emergency veterinary technician, including topics such as salary, compassion fatigue, and scheduling Includes access to a companion website with chapter review questions and the images from the book for download in PowerPoint

The New York Times bestselling author of *Better and Complications* reveals the surprising power of the ordinary checklist We live in a world of great and increasing complexity, where even the most expert professionals struggle to master the tasks they face. Longer training, ever more advanced technologies—neither seems to prevent grievous errors. But in a hopeful turn, acclaimed surgeon and writer Atul Gawande finds a remedy in the humblest and simplest of techniques: the checklist. First introduced decades ago by the U.S. Air Force, checklists have enabled pilots to fly aircraft of mind-boggling sophistication. Now innovative checklists are being adopted in hospitals around the world, helping doctors and nurses respond to everything from flu epidemics to avalanches. Even in the immensely complex world of surgery, a simple ninety-second variant has cut the rate of fatalities by more than a third. In riveting stories, Gawande takes us from Austria, where an emergency checklist saved a drowning victim who had spent half an hour underwater, to Michigan, where a cleanliness checklist in intensive care units virtually eliminated a type of deadly hospital infection. He explains how checklists actually work to prompt striking and immediate improvements. And he follows the checklist revolution into fields well beyond medicine, from disaster response to investment banking, skyscraper construction, and businesses of all kinds. An intellectual adventure in which lives are lost and saved and one simple idea makes a tremendous difference, *The Checklist Manifesto* is essential reading for anyone working to get things right.

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 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 Sinoatrial 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

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