

# Manual Of Emergency And Critical Care Ultrasound

A quick-access practical handbook for the use of ultrasound in critical care and emergency department settings Point-of-care ultrasound offers a readily available, noninvasive, reproducible modality that can expedite and improve care in the critical care and the emergency setting. This handy guide clarifies basic concepts and provides the hands-on guidance necessary for clinicians to arrive at better therapeutic decisions and perform safer procedures with the use of ultrasound. Handbook of Critical Care and Emergency Ultrasound opens with important chapters on ultrasound basics, ultrasound orientation, and probe selection, machine controls, and equipment. 22 additional chapters cover organ or system-specific procedural applications and approaches to the trauma patient. You will also find algorithms for the patient with undifferentiated chest pain, dyspnea, hypotension, and abdominal pain. 259 drawings and photographs support the text, illustrating patient positioning, basic views, anatomy, and common pathology. Handbook of Critical Care and Emergency Ultrasound is the perfect resource for critical care and emergency providers who wish to deepen their knowledge of sonography and broaden their use of ultrasound in the care of their

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patient.

The best-selling pocket reference in emergency medicine! A Doody's Core Title for 2011! 4 STAR DOODY'S REVIEW! "This book is outstanding. It is packed with information and amazingly comprehensive for its size. It uses a "just the facts" approach. If one is looking for a condensed version of an emergency medicine textbook, this is the book. It is the best in its class. This latest edition includes helpful color plates of dermatologic conditions and contemporary information on bioterrorism, SARS, West Nile virus and toxicology."--Doody's Review Service Condenses the essential clinical content from the premier text *Emergency Medicine: A Comprehensive Study Guide*. Includes color photos of dermatologic and ophthalmic conditions, pharmacologic considerations throughout, and tables of critical differential diagnoses.

Emergency bedside ultrasound assessment is well established for adult patients, but has only recently been introduced into everyday clinical practice for the care of pediatric patients. *Pediatric Emergency Critical Care and Ultrasound* is a concise, practical text which explains the principles of ultrasound, its diagnostic application in all organ systems and its use as a procedural adjunct. Both well-established and innovative applications are described, assisting the practitioner in incorporating ultrasound into daily practice, facilitating patient care and decreasing

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radiation exposure. Case studies and abundant illustrations enable the reader to study the appropriate techniques in detail and learn from real examples from the pediatric emergency department and intensive care unit. Pediatric Emergency Critical Care and Ultrasound is the first comprehensive bedside ultrasonography resource focusing on pediatric patients and is essential reading not only for pediatric emergency medicine subspecialists but for all emergency physicians, intensivists/critical care physicians and pediatricians.

Anaesthesia for Emergency Care covers all aspects of anaesthesia in an emergency setting, and is ideal for use in emergency departments and in emergency surgery.

Ultrasound has revolutionized a physician's ability to make urgent and emergent diagnoses at the bedside, and has changed the management of many acute injuries and conditions. This is a practical, concise introduction to what is rapidly becoming an essential tool for all critical care physicians: bedside emergency ultrasound. The Manual covers the full spectrum of conditions diagnosed using ultrasound and gives practical guidance in how to use ultrasound for common invasive procedures. Major applications are introduced using focused diagnostic questions and reviewing the image-acquisition skills needed to answer them. Images of positive and negative findings are presented, and scanning tips

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for improving image quality. The second edition has been substantially revised and expanded, with new images, updated literature reviews, new applications and clinical algorithms. New chapters cover additional procedures, musculoskeletal and pediatric applications, and the use of ultrasound in resuscitation. This text is invaluable for emergency physicians at all levels.

Manual of Emergency Airway Management, now in its 4th edition, is a practical guide to emergency airway management in any adult or pediatric patient and offers step-by-step instructions on techniques, drug administration, and prevention and management of complications. The book may be used in conjunction with the Difficult Airway Course™, or on its own. The text has been reorganized to reflect the decision-making process of emergency care providers treating the patient in distress. Features include: Completely reorganized chapters into cohesive sections Expanded discussion of videolaryngoscopes, including newer, low-cost alternatives More illustrations, with expanded "how to" descriptions Revised and updated airway algorithms

The most popular pocket reference in emergency nursing - now in a new edition! The Emergency & Critical Care Pocket Guide has been an essential resource for physicians, paramedics, and nurses for over a decade. The Pocket Guide consolidates

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critical information found in desk references into a convenient 3"x5" pocket-size format that is handy enough to take with you anywhere.

This book provides a comprehensive, state-of-the art review of the interventional procedures that can be performed in intensive care settings. The book addresses fundamentals of the indications and technical aspects of procedures, and identifies pitfalls and resource needs. In addition, a section is dedicated to a discussion of the staff-preparation, hemodynamic, and anesthetic concerns necessary for all procedures. Chapters focus on the following specific concerns: airway, thoracic, ENT, vascular, abdominal, genitourinary, neurologic, and musculoskeletal. A brief review of the existing literature addressing these particular topics accompanies each section. Extensive illustrations and diagrams are also included to enhance the readers' experience. Authored by a multi-disciplinary team of experts in their fields, *Interventional Critical Care: A Manual for Advanced Care Practitioners* serves as a comprehensive resource for advanced care practitioners and physicians for performing and preparing for procedures in the ICU.

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,

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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.

Emergency nursing requires rapid assessment and decision-making. Often nurses are required to make sense of considerable amounts of information and act on it. The Oxford Handbook of Emergency Nursing provides an essential resource when time is short and the need for practical clinical guidance is paramount. This second

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edition has been fully updated to reflect new guidelines and approaches which have impacted emergency nursing in recent years. This handbook provides clear, focussed information that will aid all areas of patient assessment and management in emergency care. The concise format will enable the reader to quickly locate the information needed and provides alerts regarding critical 'must-dos' for ill adults and children. The skills section provides a quick summary of the many clinical skills needed in emergency care, ideal as an introduction for the uninitiated and as a refresher for skills performed infrequently. Additionally, this second edition has been expanded to cover nursing in major trauma and emergencies in the elderly. This handbook will empower nurses to deliver excellence in emergency care. Written by practising nurses and subject experts, the Oxford Handbook of Emergency Nursing is a unique and invaluable companion for qualified and student nurses, and to all health care professionals working in the emergency care setting.

Manual of Emergency and Critical Care  
Ultrasound Cambridge University Press

Part of the popular Saunders Nursing Survival Guide series, this book prepares you to manage the most common health care problems you'll see in critical care, trauma, or emergency settings. Each chapter is organized from the most immediate and life-threatening conditions to less emergent critical care conditions. Its lighthearted, cartoon-filled approach simplifies difficult concepts, covering each body system in terms of current practice standards. Consistent headings break content

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into four succinct areas of review: What (subject) IS, What You NEED TO KNOW, What You DO, and Do You UNDERSTAND? Clinical terms and shorthand expressions are highlighted, exposing you to terminology used in the hospital setting. A color insert illustrates concepts and principles of critical care and emergency nursing, including various complications Mnemonic devices aid your memory and interactive activities help you learn, with exercises including fill in the blank, matching, word jumbles, true/false, and crossword puzzles. Special icons help you focus on vital information: Take Home Points help you prepare for clinical rotations. Caution notes alert you to dangerous conditions and how to avoid them. Lifespan notes point out age-related variations in signs and symptoms, nursing interventions, and patient teaching. Culture notes cite possible variations related to a patient's cultural background. Web links direct you to Internet resources for additional research and study. What You WILL LEARN learning objectives help you identify quickly the content covered and goals for each chapter. NCLEX® examination-style review questions at the end of each chapter allow you to test your understanding of content and practice for the Boards. Cartoon characters with brief captions help to better explain difficult concepts. Margin notes are streamlined for ease of use and effectiveness. Content updates reflect current practice and emergent situations, including increased focus on disaster preparedness, code management, updated ACLS guidelines, and hypertension.

Veterinary Technician's Manual for Small Animal

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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

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

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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.

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.

Feline Emergency and Critical Care Medicine is the first book to focus specifically on feline-specific emergency and critical care. Designed as a quick-access manual of emergency and critical care procedures, information is presented in an easy-to-follow outline format. With an emphasis on the unique considerations for treating cats, this book provides all the information needed to confidently manage the feline critical patient.

Emergency care is one of the most important areas of veterinary medicine. Building on the success of the previous editions, the international team of editors and authors have reviewed and updated the manual so that it reflects the continued growth in

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knowledge and understanding in this crucial area while remaining a highly practical resource. The introductory chapters, covering areas such as triage, catheterization and the assessment of shock and dyspnoea, sit alongside chapters that cover system specific emergencies, ranging from cardiac arrhythmias to uterine prolapse, and from corneal ulceration to fractures and luxations. The text is fully illustrated throughout. • Highly practical • Updated to reflect current knowledge in this crucial area • Illustrated throughout

The first book in the field written expressly for veterinary technicians by leaders in the field, *Small Animal Emergency and Critical Care, 2nd Edition* is efficiently organized for quick access to dozens of common, life-saving protocols and procedures. Section I includes chapters on assessment, equipment, and therapies and techniques. Every procedure is thoroughly illustrated and described in step-by-step detail with important drug information. Section II addresses specific systemic problems such as hematologic, cardiovascular, and gastrointestinal emergencies; shock; and trauma. Total team management of the critical patient is emphasized throughout. Logically organized by physiologic sign to help busy practitioners prioritize interventions Helpful equipment lists are provided at the beginning of most chapters. Technician Tips highlight specific procedures using diagrams,

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photos, and detailed instructions. New chapters cover isolation of the critically ill, infectious patient; client communication including triage, both in the waiting room and on the phone; and restraint techniques, sampling techniques, and common emergencies related to birds and exotics. Expanded Pain Management, Respiratory Emergencies, and Urologic Emergencies chapters include practical information on a wide variety of presenting problems. Expanded coverage of basic lab equipment, fluid therapy, and oxygen therapy provides the most current information.

Each high-quality volume in the esteemed Washington Manual series brings together contributions from faculty and residents at the Washington University School of Medicine in St. Louis. The Washington Manual of Emergency Medicine, the latest addition to the series, focuses on practical content on how physicians actually practice emergency care. Comprehensive and concise, it also acts as a handy quick-reference, delivering need-to-know information at your fingertips, even in point-of-care situations.

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

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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 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

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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.

The Walls Manual of Emergency Airway Management is the world's most trusted reference on emergency airway management, and is the foundation text in the nationally recognized The Difficult Airway Course: Emergency™ and The

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Difficult Airway Course: EMSTM. Its practical, hands-on approach provides all the concrete guidance you need to effectively respond to any airway emergency, whether inside the hospital, emergency department, urgent care setting, or anywhere else where airway emergencies may occur. Apply the latest evidence-based approaches thanks to state-of-the-art coverage that includes new chapters on “The Difficult Airway Cart” and “Human Factors in Emergency Airway Management,” expanded coverage on delayed sequence intubation (DSI), and comprehensive updates throughout. Efficiently overcome any challenge in airway management with the aid of step-by-step instructions, mnemonics, easy-to-follow algorithms, and rich illustrations. Glean expert insights from a brand-new editorial team led by Calvin Brown III, MD, who is Dr. Walls’ colleague and protégé, and consisting of the same experts who teach The Difficult Airway Course: Emergency™ and The Difficult Airway Course: Anesthesia™.

Now available in a compact 4" x 7" format, this portable reference covers the management of emergency conditions seen in pediatric patients. The Fourth Edition includes new sections on pediatric emergency radiology and sports injuries, plus expanded material on infectious diseases and environmental emergencies.. . "very well written. . . more complete than traditional pocket books."

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-Pediatric Emergency Care Review-review of the previous edition.

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.

**SMALL ANIMAL EMERGENCY AND CRITICAL CARE** is the first book in the field written expressly for veterinary technicians. Efficiently organized for fast consultations, it provides quick access to dozens of common, life-saving protocols and procedures. Section I includes chapters on assessment, equipment, and a multitude of therapies and techniques such as fluid therapy, oxygen therapy, transfusions, and more. Every procedure is

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thoroughly illustrated and described, step-by-step. Details include important coverage of common drugs used to stabilize and maintain patients, with the mode of action and dosages. Section II addresses specific systemic problems, such as hematologic, cardiovascular, and GI emergencies, shock and trauma. The emphasis throughout is on total team management of the critical animal patient. The book concludes with a sensitive chapter on the importance of scheduling to those who care for acutely compromised patients.

Exotic Animal Emergency and Critical Care Medicine delivers the most relevant and current information required by general veterinary practitioners and veterinary specialists in treating emergent and critical exotic patients. Covering the management of common emergency presentations in exotic companion mammals, birds, reptiles, and amphibians, each section discusses triage and stabilization, diagnostics, nutrition and fluid therapy, analgesia, anesthesia, monitoring, CPR, and euthanasia. The book includes quick reference tables, species-specific drug formularies, and illustrations of exotic animal emergency procedures and techniques. The information contained within is based on an extensive review of the most current literature and the combined knowledge and expertise of international leaders in the field of exotic animal medicine and surgery. A one-stop resource like no

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other, Exotic Animal Emergency and Critical Care Medicine makes it easy to find the information needed to effectively treat urgent and life-threatening conditions in pet exotic animals. The book covers a wide range of species, encompassing: Exotic companion mammals, including ferrets, rabbits, guinea pigs, chinchillas, rats, mice, hamsters, gerbils, hedgehogs, and sugar gliders Birds, including psittacines, passerines, doves and pigeons, as well as backyard poultry and waterfowl Reptiles, including turtles and tortoises, snakes and lizards Amphibians Equally useful for general practitioners, specialists in emergency and critical care and exotic animal medicine, veterinary students, and trainees, Exotic Animal Emergency and Critical Care Medicine is an essential resource for the emergent and critical care of exotic animals. Thoroughly revised and featuring a more efficient and streamlined design, the new 7th edition of Sheehy's trusted emergency care resource offers complete, up-to-date coverage of the essentials emergency nurses need to know. Each condition commonly seen in the emergency setting is thoroughly addressed, from signs and symptoms, to diagnosis, treatment, developmental considerations, patient education, and more. Updated material and easy-to-reference contents make this resource a must-have for current practice. Comprehensive content presents thorough discussion of signs and

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symptoms, diagnosis, treatment, age/developmental considerations, and patient/family education for each condition. Authorship from the Emergency Nurses Association ensures this book contains the best practices in emergency nursing. Quick-reference format uses a consistent layout to help you find information quickly and easily. NEW! 2-column format features new Tricks of the Trade boxes to give you a professional's perspective on common issues in emergency nursing. NEW! Fully revised content from the ENA and a broad panel of expert contributors includes up-to-date, practical information on topics such as critical care in the ED, time management, the morbidly obese patient, electronic medical records, disaster nursing, forensic nursing, and workplace violence.

Early recognition of problems by owners, appropriate first aid, and timely referral by field veterinarians improve the chance of survival for horses requiring emergency management and critical care. With a view toward improving patient outcome, *Equine Emergency and Critical Care Medicine* is written by a team of enthusiastic equine specialists who explore a host of conditions that the equine veterinarian will encounter. Areas covered include: Digestive, musculoskeletal, cardiovascular, respiratory, urogenital, and nervous systems Neonatal diseases Lacerations, wounds, and skin diseases requiring emergency care Emergency ophthalmological

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problems Toxicology Antimicrobial drugs and nutritional support Fluid, inotrope, and vasopressor therapy Sedation and analgesia Systemic inflammatory response The postoperative colic patient Critical care of the pregnant mare and neonate The recumbent horse For each disease or condition, the book includes an overview, key points, etiology/pathogenesis, clinical features, differential diagnosis, diagnosis, and management/treatment. It also provides step-by-step instructions on frequently performed procedures for the emergency/critical care patient. The text features a concise, bullet-point style to facilitate quick assimilation, along with color photos and useful charts and diagrams. Equine veterinarians will find this book an essential addition to their libraries.

This manual is a handy reference for postgraduate students and practitioners in clinical care and emergency medicine which will be an essential reference for pre-examination review.

Textbook of Small Animal Emergency Medicine offers an in-depth understanding of emergency disease processes and the underlying rationale for the diagnosis, treatment, monitoring, and prognosis for these conditions in small animals. A comprehensive reference on a major topic in veterinary medicine The only book in this discipline to cover the pathophysiology of disease in depth Edited by four respected experts in veterinary

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emergency medicine A core text for those studying for specialty examinations Includes access to a website with video clips, additional figures, and the figures from the book in PowerPoint Textbook of Small Animal Emergency Medicine offers an in-depth understanding of emergency disease processes and the underlying rationale for the diagnosis, treatment, monitoring, and prognosis for these conditions in small animals.

Established for more than 75 years, The Washington Manual of Medical Therapeutics, 36th Edition , provides concise, high-yield content that reflects today's fast-changing advances in medical technology and therapeutics. In one convenient, portable resource, you'll find complete coverage of every area of medicine and the core subspecialties—all at your fingertips for quick review and reference. Discover why housestaff and faculty worldwide depend on this best-selling resource for day-to-day clinical practice in internal medicine.

"Ultrasound has revolutionized a physician's ability to make urgent and emergent diagnoses at the bedside, and has changed the management of many acute injuries and conditions. This is a practical, concise introduction to what is rapidly becoming an essential tool for all critical care physicians: bedside emergency ultrasound. The Manual covers the full spectrum of conditions diagnosed using ultrasound and gives practical guidance in how to use

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This handbook provides practical, accessible guidelines on a huge range of situations that present to the emergency department. Deliberately precise and prescriptive, it gives up-to-date step-by-step advice on presentation, investigation, diagnosis, emergency treatment and further referral for adult and paediatric patients.

Provide expert care for cats and dogs! Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment, 9th Edition covers not only the management of emergency conditions, but also strategies for dealing with hundreds of routine diagnostic and treatment challenges in small animals. Its user-friendly format provides instant access to vital information -- making it an ideal resource in emergency situations -- and it is

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conveniently organized by both body systems and presenting signs to help you easily reach a diagnosis and determine a treatment plan for all clinical situations. Written by veterinary experts Richard Ford and Elisa Mazzaferro, Kirk and Bistner's Handbook of Veterinary Procedures and Emergency Treatment provides current guidelines for small animal emergency care and the diagnostic procedures most commonly performed in a busy, team-oriented practice. Step-by-step instructions and illustrations are provided for all major emergency and non-emergency clinical procedures. A logical, easy-to-use format lists all emergency conditions in alphabetical order, and includes quick reference boxes calling out key information such as clinical tips and cautions. Clear, concise guidelines help you evaluate clinical signs and laboratory test data. Clinical algorithms make it easier to identify and treat abnormalities. Guidelines for assessment and treatment include practical advice and solutions, how to examine the small animal patient using a body systems and problem list approach, and a review of basic diagnostic procedures used in daily practice. Coverage of toxicological emergencies describes how to manage exposures and poisonings. A quick reference guide to the management of the emergency patient is conveniently located on the inside cover. A comprehensive drug formulary makes lookup easy, and includes proprietary names,

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actions/use of each drug, formulations, recommended dosages, and special precautions, with emergency medications highlighted for fast reference This all-in-one reference includes practical coverage of emergency procedures, physical assessment in sickness and health, routine and advanced testing procedures, diagnostic tests sampling, preparation, procedures, and interpretation. Quick Reference boxes include potential causes of each clinical abnormality and associated signs, step-by-step diagnostic plans, and clinical algorithms. The latest vaccination guidelines include protocols for dogs and cats at low, medium, and high risk of exposure to infectious diseases. Updated coverage keeps you current with the latest on pain assessment, prevention, and treatment. "Ultrasound has revolutionized a physician's ability to make urgent and emergent diagnoses at the bedside, and has changed the management of many acute injuries and conditions. This is a practical, concise introduction to what is rapidly becoming an essential tool for all critical care physicians: bedside emergency ultrasound. The Manual covers the full spectrum of conditions diagnosed using ultrasound and gives practical guidance in how to use ultrasound for common invasive procedures. Major applications are introduced using focused diagnostic questions and reviewing the image-acquisition skills needed to answer them. Images of positive and

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This 4th revision of this popular Borden Institute reference on emergency surgery includes everything from war wounds to anesthesia, even covering gynecologic and pediatric emergencies, making this a must-have medical reference for civilian emergency medical personnel as well as military doctors and nurses. Contents Front Matter Chapter 1: Weapons Effects and War Wounds Chapter 2: Roles of Medical Care (United States) Chapter 3: Mass Casualty and Triage Chapter 4: Aeromedical Evacuation Chapter 5: Airway/Breathing Chapter 6: Hemorrhage Control Chapter 7: Shock, Resuscitation, and Vascular Access Chapter 8: Anesthesia Chapter 9: Soft Tissue and Open Joint Injuries Chapter 10: Infections Chapter 11: Critical Care Chapter 12: Damage Control Surgery Chapter 13: Face and Neck Injuries Chapter 14: Ocular Injuries Chapter 15: Head Injuries Chapter 16: Thoracic Injuries Chapter 17: Abdominal Injuries Chapter 18: Genitourinary Tract Injuries Chapter 19:

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Gynecologic Trauma and Emergencies Chapter 20: Wounds and Injuries of the Spinal Column and Cord Chapter 21: Pelvic Injuries Chapter 22: Extremity Fractures Chapter 23: Amputations Chapter 24: Injuries to Hands and Feet Chapter 25: Vascular Injuries Chapter 26: Burns Chapter 27: Environmental Injuries Chapter 28: Radiological Injuries Chapter 29: Biological Warfare Agents Chapter 30: Chemical Injuries Chapter 31: Pediatric Care Chapter 32: Care of Enemy Prisoners of War/Internees Chapter 33: Battlefield Transfusions Chapter 34: Compartment Syndrome Chapter 35: Battlefield Trauma Systems Chapter 36: Emergency Whole Blood Collection Envoi Appendix 1: Principles of Medical Ethics Appendix 2: Glasgow Coma Scale Appendix 3: Department of Defense Trauma Registry Abbreviations and Acronyms Significant Military Medical Terms Product Manufacturers Index  
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