

Types Of Crystalloid Solutions

Common Perioperative Problems and the Anaesthetist Questions and Answers in Small Animal Anesthesia Transfusion Medicine and Hemostasis Evidence-based Practice of Critical Care Textbook of Small Animal Surgery Saunders Solutions in Veterinary Practice: Small Animal Emergency Medicine E-Book Fluids & Electrolytes Basic Science for the MRCS E-Book Sheep & Goat Medicine - E-Book Manual of I. V. Therapeutics - Teacher's Edition Cardiac Surgery in the Adult 5/e Sabiston and Spencer's Surgery of the Chest E-Book Fundamental Skills and Concepts in Patient Care Applied Pharmacology for Veterinary Technicians Essentials of Accident and Emergency Medicine Nancy Caroline's Emergency Care in the Streets Sheehy's Emergency Nursing - E-Book Straight A's in Fluids and Electrolytes Perioperative Fluid Therapy Infusion Nursing Nancy Caroline's Emergency Care in the Streets, Volume 2 Kirk's Current Veterinary Therapy XIV - E-Book Equine Fluid Therapy Management of Peri-operative Complications, An Issue of Surgical Clinics - E-Book Kirk's Current Veterinary Therapy XV - E-Book Manual of I.V. Therapeutics Clinical Fluid Therapy in the Perioperative Setting Equine Anesthesia Cardiac Surgery in the Adult, Fourth Edition Fleisher & Ludwig's Textbook of Pediatric Emergency Medicine Brunner & Suddarth's Textbook of Medical-surgical Nursing Annual Update in Intensive Care and Emergency Medicine 2016 Cardiovascular Critical Care Saunders Manual of Small Animal Practice - E-Book Practical Applications of Intravenous Fluids in Surgical Patients Sheehy's

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Manual of Emergency Care - E-Book
AEMT: Advanced Emergency Care and Transportation of the Sick and Injured
Hydroxyethyl Starch Versus Other Plasma Volume Expanders
Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice - E-Book
Cardiac Anesthesia

Common Perioperative Problems and the Anaesthetist

With a new focus on evidence-based practice, the 3rd edition of this authoritative reference covers every aspect of infusion therapy and can be applied to any clinical setting. Completely updated content brings you the latest advances in equipment, technology, best practices, guidelines, and patient safety. Other key topics include quality management, ethical and legal issues, patient education, and financial considerations. Ideal as a practical clinical reference, this essential guide is also a perfect review tool for the CRNI examination. Authored by the Infusion Nurses Society, this highly respected reference sets the standard for infusion nursing practice. Coverage of all 9 core areas of INS certification makes this a valuable review resource for the examination. Material progresses from basic to advanced to help new practitioners build a solid foundation of knowledge before moving on to more advanced topics. Each chapter focuses on a single topic and can serve as a stand-alone reference for busy nursing professionals. Expanded coverage of infusion therapy equipment, product selection, and evaluation help

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you provide safe, effective care. A separate chapter on infusion therapy across the continuum offers valuable guidance for treating patients with infusion therapy needs in outpatient, long-term, and home-care, as well as hospice and ambulatory care centers. Extensive information on specialties addresses key areas such as oncology, pain management, blood components, and parenteral nutrition. An evidence-based approach and new Focus on Evidence boxes throughout the book emphasize the importance of research in achieving the best possible patient outcomes. The user-friendly design highlights essential information in handy boxes, tables, and lists for quick access. Completely updated coverage ensures you are using the most current infusion therapy guidelines available.

Questions and Answers in Small Animal Anesthesia

The second edition of Transfusion Medicine and Hemostasis continues to be the only "pocket-size" quick reference for pathology residents and transfusion medicine fellows. It covers all topics in blood banking, transfusion medicine, and clinical and laboratory based coagulation. Short, focused chapters, organized by multiple hierarchical headings, are supplemented with up to 10 suggested reading citations. This single reference covers essentially all the topics required to meet the goals and objectives of a major program in transfusion medicine and clinical coagulation. New chapters in the coagulation testing section reflect the development of new tests available and their incorporation into clinical practice.

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Coverage includes essential updates on the importance of new cellular therapies, peripheral blood and bone marrow hematopoietic progenitor cells, as well as cord blood banking and regenerative medicine. The authors also examine advances in the understanding of molecular testing and pathogen reduction in two separate quality control chapters (one for blood centers and one for hospitals). Updated content covers new coagulation tests, cellular therapies, and quality control issues. Easy to use, with focused, well-defined chapters in a standardized format throughout. Offers quick "cross-reference" lists at the end of each chapter. Includes lists of common abbreviations and indexes that cross reference diagnostic, clinical and therapeutic commonalities.

Transfusion Medicine and Hemostasis

Management of Peri-operative Complications is examined in the issue of Surgical Clinics, guest edited Drs. Lewis Kaplan and Stanley Rosenbaum. Topics include: fluids and electrolytes, hypoperfusion, shock states and ACS, surgical prophylaxis and complication avoidance bundles, NSQIP, SCIP and TQIP, post-operative malnutrition and probiotic therapy, post-operative malnutrition and probiotic therapy, damage control for intra-abdominal sepsis, multi-drug resistant organisms and antibiotic management, pneumonia and acute pulmonary failure, organ failure avoidance and mitigation strategies, delirium, EtOH withdrawal and polypharmacy withdrawal states, cellular and molecular physiology of nerve injury and persistent

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post-operative pain, acute pain management following operation: preventing chronic post-operative pain, massive transfusion and related issues, post-op ileus, SBO and colonic dysmotility, GI hemorrhage, and in-hospital rescue therapies.

Evidence-based Practice of Critical Care

Before the 1st edition of the Textbook of Pediatric Emergency Medicine published, there was no official pediatric emergency medicine subspecialty in either pediatrics or emergency medicine. This book defined many of the treatments, testing modalities procedural techniques and approaches to care for the ill and injured child. As such, it was written with both the pediatrician and the emergency physician in mind. The Textbook of Pediatric Emergency Medicine, has an entirely new editorial board and templated chapters focusing on evidence-based diagnosis and management of pediatric patients in the ED. The book's content has been rewritten to eliminate and eliminate redundancy, creating succinct sections that pertain to patient care in the ED. Templated chapters include: Clinical Outcomes/Goals of Therapy Current Evidence Clinical Considerations Clinical Recognition: Triage Initial Assessment Management/Diagnostic Testing Clinical indications for discharge or admission, including parental instructions References In the ED, nurses and physicians work closely as a paired team, thus this edition reflects that partnership and offers content tailored to it. Online ancillaries, found in the bundled eBook, include Learning Links for nursing considerations and clinical

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pathways that outline the key steps to take when managing critically ill patients.

Textbook of Small Animal Surgery

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

Saunders Solutions in Veterinary Practice: Small Animal Emergency Medicine E-Book

With this DVD, you will learn how to successfully perform each skill and will find helpful information, tips, and pointers designed to facilitate your progression through the practical examination.

Fluids & Electrolytes

Fully updated and expanded, the second edition of Clinical Fluid Therapy in the Perioperative Setting brings together the world's leading experts in fluid

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management to explain what you should know when providing infusion fluids to surgical and critical care patients. Current evidence-based knowledge, essential basic science, and modern clinical practice are explained in 34 focused and authoritative chapters. New chapters cover topics such as burn injury, monitoring of the microcirculation, the glycocalyx layer, intensive care, trauma, transplantations, and adverse effects of infusion fluids. Each chapter begins with an abstract, providing a quick overview of the topic, followed by detailed clinical and pre-clinical guidance. Together, the chapters guide the reader in the use of fluid therapy in all aspects of perioperative patient care. Edited by Robert G. Hahn, a clinical anesthesiologist and highly experienced researcher in fluid therapy, this is essential reading for all anesthesiologists, intensivists, and surgeons.

Basic Science for the MRCS E-Book

Sheep & Goat Medicine - E-Book

All veterinary team members involved in the everyday care of horses that require anesthesia or special emergency care will benefit from this reliable and inclusive resource. This text provides all of the information needed to prepare, conduct, and monitor the administration of drugs in order to produce safe and effective

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anesthesia, treat pain, respond to adverse effects, and perform and monitor emergency and critical care treatment. It is the most comprehensive and detailed book available on these subjects, addressing the needs and concerns of practitioners in both hospital and field settings. Discusses all aspects of equine anesthesia, including history, physiology, pharmacology, drug dosages, patient preparation, induction-maintenance-recovery of anesthesia management of potential complications, and more. Provides a detailed review of the respiratory and cardiovascular physiology of the horse. Provides thorough coverage of preoperative pain management in horses. Covers emergency medical care and managing anesthetic complications in both hospital and field situations. Includes information on the latest anesthetic drugs, including safe and effective protocols for different procedures, and the most up-to-date monitoring techniques. Each contributor is a recognized expert in his or her respective equine specialty, renowned for clinical as well as academic and research expertise. A complete update of all drug information and pain management techniques. The very latest research findings and clinical applications of anesthetic agents and techniques. The most recent developments in post-anesthetic care and monitoring. A chapter on intravenous anesthetic and analgesic adjuncts to inhalation anesthesia. A chapter on anesthesia and analgesia for donkeys and mules. A chapter on perioperative pain management. Many new illustrations as well as tables, graphs, boxes, key points, and summaries that make information instantly accessible.

Manual of I. V. Therapeutics - Teacher's Edition

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 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.

Cardiac Surgery in the Adult 5/e

"Provides practical and logical guidance for a wide range of anesthesia questions commonly faced in veterinary medicine"--Provided by publisher.

Sabiston and Spencer's Surgery of the Chest E-Book

Designed specifically for veterinary technicians, this essential resource offers detailed guidance on key topics such as managing medication inventory, dispensing veterinarian prescribed drugs, calculating drug dosages, administering medications to animals, and educating clients about drug side effects and precautions. Up-to-date drug information is presented in a consistent, easy-to-use format that includes pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse side effects. Illustrated, step-by-step procedures demonstrate proper administration techniques for common drug forms. Like getting two books in one, this resource combines the comprehensiveness of a veterinary pharmacology text with coverage of pharmacologic fundamentals that are essential to veterinary technician practice. Learning Objectives at the beginning of each chapter help you focus your study efforts and check your progress as you work through the material. Chapter outlines provide at-a-glance overviews of the topics featured in each chapter, making it quick and easy to find information. Key

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Terms lists with definitions familiarize you with the terminology used in each chapter. Technician's Notes boxes throughout the book provide useful hints and important reminders to help you avoid common errors and increase your efficiency. Coverage of inventory control offers practical tips on performing this important task, including understanding the different vendor types, communicating with sales representatives, and using veterinary practice management computer software. Detailed summaries of important drug laws, such as the Animal Medicinal Drug Use Clarification Act and the Animal Drug Availability Act, introduce you to the legal and ethical aspects of veterinary pharmacology. A companion Evolve website offers 137 photographs of drug labels to familiarize you with the labels you will see in practice, six drug dosage calculators with related exercises to help you strengthen your drug calculation skills, and 12 videos that show you how to administer oral, inhaled, and injectable drugs. Proprietary drug names are listed along with generic names to help you learn to recognize drugs with generic options. Additional review questions in this edition help reinforce your understanding of key concepts. Answers are located in the back of the book so you can check the accuracy of your responses. The chapter on Drugs Used in Skin Disorders offers expanded coverage of the anatomy and physiology of the skin, as well as information on the latest drugs used to treat skin disorders.

Fundamental Skills and Concepts in Patient Care

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Perioperative fluid therapy requires the correct selection, amount, and composition of fluids based on the patient's underlying pathology, state of hydration, and type and duration of surgical stress. Filling a gap in the literature, this source provides a solid foundation to practical perioperative fluid management, fluid solutions, and the utilization

Applied Pharmacology for Veterinary Technicians

Textbook of fundamentals for beginning students. Includes exercises and discussion questions, summaries, and procedure checklists.

Essentials of Accident and Emergency Medicine

Straight A's in Fluids and Electrolytes is an excellent review for the NCLEX® and for the fluids and electrolytes component of medical-surgical nursing courses from the LPN through the BSN level. It follows the unique, highly visual two-column Straight A's format—an in-depth outline review in the inner column and a quick-scanning key points refresher in the outer column. Other study aids include "Top 10" Lists that save students time before exams, Time-Out for Teaching tips on patient teaching, Go with the Flow algorithms, and dozens of illustrations. The book and bound-in CD-ROM contain hundreds of NCLEX®-style questions—including

alternate-format questions—with answers and rationales.

Nancy Caroline's Emergency Care in the Streets

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

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guidelines . rapid response teams . and more. Benefit from all-new sections covering persistent critical illness and the role of advanced practice nurses and physician assistants in the ICU.

Sheehy's Emergency Nursing - E-Book

Fluid therapy is one of the most basic interventions spanning across all medical and surgical disciplines. Physicians need to understand the physiology of fluids and electrolytes before they can evaluate the extent to which disease pathophysiology has altered the balance, enabling them to determine the type and quantity of intravenous fluids required for treatment. This new edition is a practical guide to intravenous fluids and their administration to surgical patients. Divided into sixteen sections, the text begins with an overview of normal water balance and distribution of body fluid. The next sections cover the pharmacology of different types of intravenous fluid, followed by discussion on fluid therapy in different medical circumstances, and concluding with a chapter on fluid calculation. The second edition has been fully revised to provide the latest information in the field, and features new topics including fluid choice in the perioperative period and surgery and stress response. Key points Fully revised, new edition presenting latest information on intravenous fluids in surgery Discusses different types of fluid and their application in different circumstances Second edition includes several new topics Previous edition (9789350903957) published in 2013

Straight A's in Fluids and Electrolytes

Perioperative Fluid Therapy

As physicians, we have a constant passion for improving and maintaining patient's care and safety. The book is divided into three parts focusing on the essentials of general concepts, diagnosis, and management of accident and emergency medicine, as well as an academic approach to teaching in the emergency setting. The chapters selected for this book are written by an excellent group of recognized emergency surgeons and physicians from different countries and cultures facilitating a comprehensive and interesting approach to the problems of emergency treatment. We hope this book will be helpful and used worldwide by medical students, clinicians, and researchers enhancing their knowledge and advancing their objectives by a book that intends to become a reference text for research and practice within accident and emergency medicine.

Infusion Nursing

Remarkable improvements in cardiac survival rates have made cardiovascular critical care much more common, but no less challenging for the practitioner. This

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important volume draws on the skills of an expert team of editors and contributors to present a timely overview of clinical practice. The book covers the full range of the field, from pre-operative assessment and the haematological complications of cardiovascular surgery and critical care to the care of patients with:

- Arrhythmias
- Heart Failure
- Adult Congenital Heart Disease
- Mitral Valve Disease
- Aortic Valve Disease
- Infective Endocarditis
- Vasculitis

The authors also address the special problems associated with the management of conditions consequent upon pregnancy, eclampsia, and the hypertensive crisis. With high-quality illustrations and a helpful index, Cardiovascular Critical Care gives you access to information that helps you provide the best possible care to your patients.

Nancy Caroline's Emergency Care in the Streets, Volume 2

Based on the new National EMS Education Standards for Advanced Emergency Medical Technician, the Second Edition offers complete coverage of every competency statement with clarity and precision in a concise format that ensures student comprehension and encourages critical thinking. New cognitive and didactic material is presented, along with new skills and features, to create an innovative AEMT training solution. Topics including advanced pathophysiology, acid-base balance, fluids and electrolytes, intravenous therapy, intraosseous access, blood glucose monitoring, and administration of AEMT-level medications tailor this textbook to the new Advanced EMT level. Important Notice: The digital edition of

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this book is missing some of the images or content found in the physical edition.

Kirk's Current Veterinary Therapy XIV - E-Book

Dr. G. M. Woerlee is well known in my department both as a clinician and teacher. Years of experience have taught him that the problems discussed here have as yet not been treated in this way in any single work. In my opinion there is a real need for such a book, not only for resident and specialist anaesthetists, but also among surgeons and internists, specialist and trainee. Management of a patient in the operating room is a matter of teamwork, and knowledge of the problems encountered is the basis of any mutual understanding! The information which has been assembled and clearly presented in this book should prove to be of great assistance in guiding our patients through an important phase of their lives. Professor Dr. Joh. Spierdijk, Department of Anaesthesia, University Hospital of Leyden, The Netherlands. vii PREFACE Much of the literature being published in the field of anesthesiology today concerns a narrow, in-depth scrutiny of a specific area or anesthetic technique that does not provide the novice with an overview of the perioperative period and the common everyday problems faced by the anesthetist. Dr G. M. Woerlee of the University of Leiden with his book, "Common Perioperative Problems and the Anaesthetist", has filled a void in the current anesthetic literature. Dr Woerlee reviews in a straightforward, no-frills manner problems routinely encountered during the perioperative period. Other anesthesia textbooks

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do not cover the material in quite the same logical, step-by-step fashion.

Equine Fluid Therapy

-- The standards of both the Intravenous Nursing Society and the Centers for Disease Control are emphasized throughout the manual; in addition, competency criteria will serve as a reference for hospital policy and procedure development required by the Joint Commission on Accreditation of Healthcare Organizations (JCAHO) -- The text keeps students up to date by thoroughly detailing step-by-step procedures for such new practices as subcutaneous infusion of pain medication, peripherally inserted central catheters (PICCs), epidural pain medication administration, and patient-controlled analgesic therapy -- Contains pretest and post-test questions, chapter outlines, chapter objectives, chapter summaries, and chapter glossaries to help the user identify strengths as well as weaknesses; also includes worksheets in appropriate chapters to enhance learning -- Two new chapters added: Infection Control and Antineoplastic Therapy -- Competency criteria added to appropriate chapters -- Nursing Process Model added -- Patient teaching guidelines provided -- Newest INS standards included -- Easy-to-use chart comparing various IV solutions

Management of Peri-operative Complications, An Issue of

Surgical Clinics - E-Book

Kirk's Current Veterinary Therapy XV - E-Book

The leading reference for the diagnosis and management of fluid, electrolyte, and acid-base imbalances in small animals, *Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice*, 4th Edition provides cutting-edge, evidence-based guidelines to enhance your care of dogs and cats. Information is easy to find and easy to use, with comprehensive coverage including fluid and electrolyte physiology and pathophysiology and their clinical applications, as well as the newest advances in fluid therapy and a discussion of a new class of drugs called vaptans. Lead author Stephen DiBartola is a well-known speaker and the "go-to" expert in this field, and his team of contributors represents the most authoritative and respected clinicians and academicians in veterinary medicine. Over 30 expert contributors represent the "cream of the crop" in small animal medicine, ensuring that this edition provides the most authoritative and evidence-based guidelines. Scientific, evidence-based insights and advances integrate basic physiological principles into practice, covering patient evaluation, differential diagnosis, normal and abnormal clinical features and laboratory test results, approaches to therapy, technical aspects of therapy, patient monitoring, assessing risk, and prediction of

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outcomes for each disorder. Hundreds of tables, algorithms, and schematic drawings demonstrate the best approaches to diagnosis and treatment, highlighting the most important points in an easy-access format. Drug and dosage recommendations are included with treatment approaches in the Electrolyte Disorders section. Clear formulas in the Fluid Therapy section make it easier to determine the state of dehydration, fluid choice, and administration rate and volume in both healthy and diseased patients. Updated chapters cover the latest advances in fluid therapy in patient management, helping you understand and manage a wide range of potentially life-threatening metabolic disturbances. Expanded Disorders of Sodium and Water chapter includes information on a new class of drugs called vaptans, vasopressin receptor antagonists that may soon improve the ability to manage patients with chronic hyponatremia. Hundreds of new references cover the most up-to-date advances in fluid therapy, including renal failure and shock syndromes.

Manual of I.V. Therapeutics

Preparing students for successful NCLEX results and strong futures as nurses in today's world. Now in its 12th edition, Brunner and Suddarth's Textbook of Medical-Surgical Nursing is designed to assist nurses in preparing for their roles and responsibilities in the medical-surgical setting and for success on the NCLEX. In the latest edition, the resource suite is complete with a robust set of premium and

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included ancillaries such as simulation support, adaptive testing, and a variety of digital resources helping prepare today's students for success. This leading textbook focuses on physiological, pathophysiological, and psychosocial concepts as they relate to nursing care. Brunner is known for its strong Nursing Process focus and its readability. This edition retains these strengths and incorporates enhanced visual appeal and better portability for students. Online Tutoring powered by Smarthinking--Free online tutoring, powered by Smarthinking, gives students access to expert nursing and allied health science educators whose mission, like yours, is to achieve success. Students can access live tutoring support, critiques of written work, and other valuable tools.

Clinical Fluid Therapy in the Perioperative Setting

Authoritative yet easy to read, Sheep and Goat Medicine, 2nd Edition covers all the latest advances in sheep and goat medicine, including medical treatment, surgery, theriogenology, and nutrition. Full-color photographs and clear instructions provide the answers you need, guiding you through common procedures and techniques such as restraint for examination, administration of drugs, blood collection, and grooming; these descriptions are often accompanied by explanatory diagrams and charts. With diseases, surgeries, and treatments organized by body system, information is always easy to find. New to this edition are chapters on parasite control, nutritional requirements, and performing a necropsy. Developed by Dr.

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D.G. Pugh, a world-renowned expert on the medical care of sheep and goats, this reference is unmatched for its comprehensive coverage of herd health, physical examination, anesthesia, and multisystem diseases. Clear writing style makes the book useful and easy to understand, even for sheep and/or goat owners who are not veterinarians. Both surgery and medicine are covered in each body systems chapter, so it's easier to choose between treatment options for specific disorders. Superbly illustrated surgical procedures clearly demonstrate the steps to follow in performing surgical procedures. An explanation of the differences in normal behavior between sheep and goats shows how they are not the same, and require different methods of treatment. A consistent, logical format in each body systems chapter makes information easy to find by beginning with physical examination and diagnostic procedures, followed by discussions of common diseases that involve the system. Consistent headings include pathogenesis, clinical signs, diagnosis, treatment, and prevention. A comprehensive nutrition chapter covers diet evaluation, method of balancing rations, total parenteral nutrition, and examples of nutritious diets. Practical formulas are included for making sodium sulfite for testing passive transfer, and Sheather's solution for fecal flotation. Useful appendixes summarize essential information on drugs and drug dosages, fluid therapy, and normal values and conversions. A diverse, authoritative panel of contributors provides current information on the care of valuable breeding stock as well as pets. Full-color photographs and graphics accurately depict conditions and procedures. New Fluid Therapy and Nutritional Support chapter covers emergency

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and critical care essential to the care of sheep and goats. New Gastrointestinal Parasitism chapter covers treatments for parasites, key to the successful management of all flocks. New Necropsy chapter helps you prevent disease outbreaks in a flock by determining the cause of death.

Equine Anesthesia

This readable and student-friendly guide simplifies and clearly explains the complex concepts and processes of fluids and electrolytes in the human body. It utilizes a step-by-step learning approach and starts with the basics and advances to cover more complex issues. This new edition features revised NCLEX(examination-style questions and new case studies.

Cardiac Surgery in the Adult, Fourth Edition

Saunders Solutions in Veterinary Practice consists of a series of practical handbooks on selected medical topics on specific veterinary problems. Case-based, this series is aimed at the small animal veterinary practitioner who has qualified less than 10 years and needs quick access to information and wants to increase his/her confidence on handling that range of cases that cover the spectrum that lies between the simple routine first opinion case and the referral.

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Saunders Solutions in Veterinary Practice provides additional knowledge that leads to improved skills and practice for veterinary practitioners. Not only practitioners, but also veterinary students nearing the end of their course will find this series very useful to brush up their knowledge in a particular area. The volumes are also written with the veterinary nurse in mind with a particular interest in a specific topic, using 'Nurse Boxes' in the text to guide them to the specific information they need.

- new approach: clinical cases offering examination, treatment options, clinical tips relevant for the general small animal veterinary practitioner – all case descriptions based on common template
- offers synoptic, easy accessible and essential information
- provides essential information on selected topics
- authorship ensures accuracy of information
- relevant to all general practitioners
- written to increase the skill and practice the general veterinary practitioner
- intend to meet CPD-need, but focus on: differential diagnosis and practical case handling
- offers self-assessment features at the end of every chapter making it relevant for veterinary students as well
- broad readership: practitioners and students indicated in the text by 'Notes for Vets'; nurses indicated in the text by 'Notes for Nurses' and pet owners indicated in the text by 'Notes for Pet Owners'
- handy format with flexi cover
- species covered to be limited to cats, dogs and rabbits
- full colour throughout

Fleisher & Ludwig's Textbook of Pediatric Emergency Medicine

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Fluid resuscitation is indicated for the management of hypovolemia (decreased blood plasma volume) and hypovolemic shock, and its ultimate objective is to restore organ perfusion and tissue oxygenation. Hypovolemia can be induced by a wide range of clinical conditions such as dehydration, burns, sepsis, malignancies, trauma, hemorrhage, and surgical anesthesia. There are two main types of fluids used for fluid resuscitation, colloids and crystalloids. Crystalloid solutions include normal saline and balanced fluids such as Ringer's lactate. Human albumin preparations are natural colloids while dextran, gelatin, and starch products are synthetic colloids, also called synthetic plasma volume expanders. Hydroxyethyl starches are a common choice for fluid resuscitation. They are preferred over albumin because of their relatively lower price. The objective of the current review is to evaluate the evidence surrounding the use of hydroxyethyl starch in intensive-care units.

Brunner & Suddarth's Textbook of Medical-surgical Nursing

Annual Update in Intensive Care and Emergency Medicine 2016

From medical disorders to toxicology to infectious disease, Kirk's Current Veterinary Therapy XIV includes the most up-to-date information from leading

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experts in the veterinary field with over 260 new chapters. The user-friendly format presents content clearly to help you easily find the information you need and put it in practice. Selective lists of references and suggested readings provide opportunities for further research, and the Companion CD includes helpful information from the previous volume that still applies to current practice. Authoritative, reliable information on diagnosis includes details on the latest therapies. An organ-system organization makes it easy to find solutions for specific disorders. Concise chapters are only 2-5 pages in length, saving you time in finding essential information. Well-known writers and editors provide accurate, up-to-date coverage of important topics. A convenient Table of Common Drugs, updated by Dr. Mark Papich, offers a quick reference to dosage information. Cross-references to the previous edition make it easy to find related information that remains valid and current. A list of references and suggested readings is included at the end of most chapters. A fully searchable companion Evolve website adds chapters from Kirk's Current Veterinary Therapy XIII, with information that has not changed significantly since its publication. It also includes an image collection with over 300 images, and references linked to PubMed. Useful appendices on the website provide a virtual library of valuable clinical references on laboratory test procedures and interpretation, normal reference ranges, body fluid analyses, conversion tables, nutritional profiles, a drug formulary, and more. More than 260 new chapters keep you at the leading edge of veterinary therapy.

Cardiovascular Critical Care

Through seven successful editions, Sabiston & Spencer Surgery of the Chest has set the standard in cardiothoracic surgery references. Now, the new 8th Edition, edited by Frank W. Sellke, MD, Pedro J. del Nido, MD, and Scott J. Swanson, MD, carries on this tradition with updated coverage of today's essential clinical knowledge from leaders worldwide. Guidance divided into three major sections—Adult Cardiac Surgery, Congenital Heart Surgery, and Thoracic Surgery—lets you quickly find what you need, while new and revised chapters reflect all of the important changes within this rapidly evolving specialty. Expert Consult functionality—new to this edition—enables you to access the complete contents of the 2-volume set from anyplace with an Internet connection for convenient consultation where and when you need it. This is an ideal source for mastering all of the most important current knowledge and techniques in cardiac and thoracic surgery—whether for specialty board review or day-to-day practice. Features short, focused chapters that help you find exactly what you need. Presents the work of international contributors who offer a global view of the entire specialty. Covers thoracic surgery as well as adult and pediatric cardiac surgery for a practical and powerful single source. Includes nearly 1,100 illustrations that help to clarify key concepts. Features online access to the complete contents of the 2-volume text at expertconsult.com for convenient anytime, anywhere reference. Covers the hottest topics shaping today's practice, including the latest theory and

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surgical techniques for mitral valve disease, advances in the treatment of congenital heart disease, minimally invasive surgical approaches to the treatment of adult and congenital cardiac disease and thoracic disease, stent grafting for aortic disease, and cell-based therapies. Your purchase entitles you to access the web site until the next edition is published, or until the current edition is no longer offered for sale by Elsevier, whichever occurs first. Elsevier reserves the right to offer a suitable replacement product (such as a downloadable or CD-ROM-based electronic version) should access to the web site be discontinued.

Saunders Manual of Small Animal Practice - E-Book

Think back to a time when paramedics didn't exist. When "drivers" simply brought injured patients to the hospital. When the EMS industry was in its infancy. A time before Nancy Caroline. Dr. Caroline's work transformed EMS and the entire paramedic field. She created the first national standard curriculum for paramedic training in the United States. She also wrote the first paramedic textbook: *Emergency Care in the Streets*. The impact that Dr. Caroline had on EMS and health care spanned across the U.S. and abroad. From establishing EMS systems to training paramedics, to providing better nourishment and health care for orphans, her work had a profound impact on humanity. Throughout her life, Dr. Caroline brought a sense of excitement, joy, and humor to her work. The American Academy of Orthopaedic Surgeons is proud to continue Dr. Caroline's legacy. Her

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sense of excitement and humor live on in this text, which is dedicated to her. The Sixth Edition honors Dr. Caroline's work with a clear, fun, understandable writing style for which she was known. Welcome back a familiar training companion to your classroom! Say hello to Sidney Sinus, AV Abe, and a cast of memorable characters and amusing anecdotes. Make learning for your students more fun!

Practical Applications of Intravenous Fluids in Surgical Patients

This book is a concise revision guide to the core basic sciences – anatomy, physiology and pathology – which comprise the essential knowledge required by the trainee entering the specialty of surgery. It has been written in a style to facilitate easy learning of the essential facts, with indications of both their clinical relevance and importance. This book concentrates on those topics which tend to be recurring examination themes for initial surgical training. It will be an invaluable resource for the basic surgical trainee studying for the Intercollegiate MRCS examination, as well as proving useful for those in higher surgical training and for the surgically inclined, well-motivated student. The book covers in one volume all the essentials of the basic sciences – anatomy, physiology and pathology - to aid the candidate for the MRCS examination. In covering the applied basic science the books explains the application and clinical relevance of the three sciences The text is written in an appropriate 'bullet-point' style to allow easy reading and rapid exam preparation The contents concentrate on the recurring common themes of

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the examination, thus helping direct appropriate learning and focussing on the specific impoartnta areas of knowledge The book is illustrated with line drawings which are clearly annotated to aid learning. In this Second Edition, chapters have been updated and sections expanded to cover topics which are particularly relevant to examinations. The microbiology chapter has been rewritten, and the section on skin healing has also been extensively rewritten to include a section on burns, skin grafting and the anatomy of flaps. Each chapter has new OSCE scenario questions added to bring together the basic science and its clinical application in OSCE examinations.

Sheehy's Manual of Emergency Care - E-Book

Written by emergency nurses for emergency nurses, this comprehensive, evidence-based resource covers the issues and procedures that are often unique to the emergency department. New developments and changes in clinical practice are incorporated throughout. The user-friendly format features more than 350 high-quality illustrations and 150 tables that highlight essential concepts and offer quick access to vital information. Key coverage includes clinical fundamentals, treatment for trauma and medical-surgical emergencies, the foundations of emergency nursing practice, and special populations. 58 contributors offer valuable insights from a broad range of clinical positions in rural, suburban, and urban areas. High-quality radiographs and other diagnostic images help you learn to identify common

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conditions — especially head trauma, fractures, and dislocations. Logically organized, chapters are grouped into six sections for quick access to important content: Foundations of Emergency Nursing, Professional Practice, Clinical Foundations of Emergency Nursing, Major Trauma Emergencies, Medical and Surgical Emergencies, and Special Patient Populations. Tables and boxes highlight and summarize critical information for at-a-glance reference. A separate unit on special patient populations covers topics such as child abuse, elder abuse, intimate partner violence, sexual assault, substance abuse and behavioral/pediatric/obstetrical emergencies. Priority nursing diagnoses are highlighted in a quick-reference appendix to help you focus on the most serious problems. Five new chapters bring you the most reliable, up-to-date information on these key topics: Management of the Critical Care Patient in the Emergency Department Family Presence During Resuscitation Forensic Nursing Nuclear, Biological, and Chemical Agents of Mass Destruction Influenza: Seasonal, Avian, and Pandemic Expanded coverage of shock and sepsis provides essential information on pathophysiology and diagnosis, with valuable guidelines for managing these patients. A detailed discussion of various types of triage systems and triage acuity ratings examines valid and reliable methods for differentiating between patients who require immediate treatment and those who can wait. Additional coverage of behavioral health emergencies includes new information on agitation, substance abuse, and suicide prevention.

AEMT: Advanced Emergency Care and Transportation of the Sick and Injured

This two-volume masterwork offers explicit guidelines for evaluating patients, selecting the right operation, and implementing clinically proven procedures. It covers major topics relevant to the field such as oncology, ophthalmology, dentistry, the nervous system, the urinary and reproductive systems, and more. The up-to-date 3rd edition features an increased emphasis on decision-making algorithms and high-quality images that depict relevant anatomy, diagnostic features, and sequential steps in operative procedures. Expanded, detailed coverage assists the reader with learning and applying the latest surgical techniques. Contributors from three different continents and 17 countries, outstanding in their fields, lend a global perspective to the work. Extensive, high-quality illustrations aid the reader in clear visualization of techniques, instrumentation, and diagnosis. References for each chapter direct the reader to further sources of information. An appendix of normal laboratory values for the dog and cat put this essential information within easy reach. A cardiopulmonary resuscitation algorithm is printed on the inside front cover for quick and easy reference. A quick guide to evaluation and initial stabilization of life-threatening cardiopulmonary complications is printed on the inside back cover for immediate access to crucial information. The section on critical care has been expanded to

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include more complete information. 10 new section editors and 146 new contributors bring new insight to topics in their areas of expertise. 38 new chapters, including a chapter on arthroscopy, reflect current knowledge and advances. Detailed coverage of surgery techniques present explicit, easy-to-follow guidelines and procedures. An increased emphasis on decision-making algorithms makes the book even more clinically useful. Each chapter has been thoroughly revised, providing the most comprehensive scope of coverage for each topic.

Hydroxyethyl Starch Versus Other Plasma Volume Expanders

The most comprehensive and current full-color cardiac surgery resource - updated by leading surgeons In Cardiac Surgery in the Adult, Fifth Edition, the world's foremost cardiovascular surgeons deliver thorough, up-to-date coverage of operative strategy, decision making, technique, and pre- and post-operative management for treating the adult cardiac patient. Unmatched in both scope and clinical rigor, this classic text contains 63 chapters that highlight every important topic in cardiovascular surgery. Presented in full color, Cardiac Surgery in the Adult takes readers through the optimal treatment of congenital, acquired, infectious, and traumatic diseases of the heart and great vessels. The book opens with a history of cardiac surgery and basic cardiac science, then moves into all types of cardiac surgery, providing both practicing surgeons and residents with insight into the very latest surgical protocols. Cardiac Surgery in the Adult is logically divided

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into ten sections: • Basics (includes history, anatomy, physiology, pharmacology, computed tomography, risk assessment, simulation, and the fully integrated cardiovascular center) • Perioperative/Intraoperative Care • Ischemic Heart Disease • Aortic Valve Disease • Mitral Valve Disease • Surgery of the Great Vessels • Rhythm Surgery • Other Cardiac Operations (including congenital heart disease, pericardial disease, and cardiac neoplasms) • Transplant and Mechanical Circulatory Support The Fifth Edition has been updated throughout, and includes the latest advances in minimally invasive surgery and simulation.

Fluid, Electrolyte, and Acid-Base Disorders in Small Animal Practice - E-Book

Written by today's leading experts, Kirk's Current Veterinary Therapy, Volume XV keeps you completely current with the latest in disease management for dogs and cats. It uses a clear and practical approach to medical disorders; the typical chapter includes both a brief guide to diagnosis and a detailed discussion of therapy. You'll gain quick access to information such as critical care; infectious, toxicologic, and dermatologic disorders; and diseases of the gastrointestinal, cardiovascular, respiratory, urinary, reproductive, neurologic, and ophthalmologic systems. From editors John Bonagura and David Twedt plus hundreds of expert contributors, Kirk's Current Veterinary Therapy enhances your skills in evidence-

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based treatment planning. "For the practitioner who wants to keep abreast of current therapies for a wide range of topics, CVT is the perfect reference ."

Reviewed by: Ryan Ong, WAVES Veterinary Hospital on behalf of Australian Veterinary Hospital, March 2015

Authoritative, easy-to-read coverage includes a brief approach to diagnosis with detailed discussions of the latest therapies. An organ-system organization and a convenient index make it easy to find solutions for specific disorders. Treatment algorithms help you manage patients with difficult medical problems. A handy Table of Common Drugs, updated by Dr. Mark Papich, offers a quick reference to dosage information. 365 illustrations depict the pathophysiologic basis for therapy or show the management of a defined condition. A companion website includes valuable information still relevant from CVT XIV, an index, and drug formulary, all fully searchable; a collection of 300 images; references that link to PubMed; and clinical references on laboratory test procedures and interpretation, normal reference ranges, conversion tables, and more. Concise chapters are only 2-5 pages in length, saving you time in finding essential information. Expert contributors and editors provide scientific, up-to-date coverage of clinically useful topics, including broad, traditional, and controversial subjects. References indicate related material from earlier volumes of Kirk's Current Veterinary Therapy. NEW chapters cover the most important, emerging information on current diagnostic, treatment, and preventive challenges in today's veterinary practice. A new section on feline and canine nutrition covers important issues in nutritional health. 50 new chapter authors join hundreds of expert

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international contributors, all of whom are leading authorities in their fields. NEW! Availability as Pageburst ebook allows you digital access to this volume along with your library of other Elsevier references.

Cardiac Anesthesia

Meticulously organized by body system for optimal readability and ease of reference, the 3rd edition of this best-selling manual provides quick, comprehensive, and practical guidance on evaluating and managing a full range of common medical and surgical conditions encountered in small animal practice. Medical chapters discuss etiology, clinical signs, diagnoses and treatment, while surgical chapters discuss anatomy, preoperative considerations, procedures and postoperative care. It also contains an entire section devoted to avian and exotic pets and a comprehensive drug formulary. A consistent outline format provides easy access to information on etiology, clinical signs, diagnosis, and treatment for each disease or disorder, as well as anatomy, preoperative conditions, techniques, and postoperative care for surgical procedures. Key Points draw attention to helpful tips and key concepts. Includes a comprehensive section covering diagnosis, treatment, and surgery for avian and exotic pets. Features new chapters that cover key topics such as physical therapy and rehabilitation, pain management, vaccination guidelines, and syncope. Includes the latest information on drugs and clinical equipment throughout.

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