

AAHA AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS

AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS: A COMPREHENSIVE REVIEW

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PUBLISHER: THE AMERICAN ANIMAL HOSPITAL ASSOCIATION (AAHA) AND THE AMERICAN ACADEMY OF FELINE PRACTITIONERS (AAFP) ARE THE PUBLISHERS OF THESE GUIDELINES. BOTH ORGANIZATIONS ARE HIGHLY RESPECTED AND INFLUENTIAL BODIES WITHIN THE VETERINARY PROFESSION, KNOWN FOR THEIR COMMITMENT TO HIGH STANDARDS OF CARE AND EVIDENCE-BASED MEDICINE. THEIR JOINT PUBLICATION OF THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS LENDS SIGNIFICANT CREDIBILITY TO THE DOCUMENT.

EDITOR: DR. ROBERT MILLER, DVM, DACVIM (DIPLOMATE OF THE AMERICAN COLLEGE OF VETERINARY INTERNAL MEDICINE), SERVED AS EDITOR. DR. MILLER'S EXTENSIVE EXPERIENCE IN VETERINARY INTERNAL MEDICINE, PARTICULARLY FOCUSING ON PAIN MANAGEMENT AND ANALGESIC PHARMACOLOGY, PROVIDES CRUCIAL EXPERTISE IN ENSURING THE GUIDELINES' ACCURACY, CLARITY, AND RELEVANCE TO PRACTICAL VETERINARY PRACTICE. HIS INVOLVEMENT GUARANTEES A RIGOROUS REVIEW PROCESS REFLECTING THE CURRENT BEST PRACTICES IN THE FIELD.

KEYWORDS: AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS, CANINE PAIN MANAGEMENT, FELINE PAIN MANAGEMENT, VETERINARY ANALGESIA, MULTIMODAL ANALGESIA, POSTOPERATIVE PAIN, CHRONIC PAIN, VETERINARY PAIN SCALES, OPIOID MANAGEMENT, NSAID USE IN VETERINARY MEDICINE.

UNDERSTANDING THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS

THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS REPRESENT A LANDMARK ACHIEVEMENT IN VETERINARY MEDICINE. THESE GUIDELINES PROVIDE A COMPREHENSIVE FRAMEWORK FOR THE ASSESSMENT, MANAGEMENT, AND MONITORING OF PAIN IN DOGS AND CATS ACROSS VARIOUS CLINICAL SCENARIOS. THEY MOVE BEYOND SIMPLY RECOMMENDING SPECIFIC DRUGS TO EMPHASIZE A HOLISTIC, PATIENT-CENTERED APPROACH THAT ACKNOWLEDGES THE UNIQUE PHYSIOLOGICAL AND BEHAVIORAL RESPONSES TO PAIN IN EACH SPECIES.

THE GUIDELINES STRONGLY ADVOCATE FOR A MULTIMODAL ANALGESIC APPROACH. THIS INVOLVES COMBINING DIFFERENT ANALGESIC AGENTS WITH VARYING MECHANISMS OF ACTION TO ACHIEVE SUPERIOR PAIN RELIEF WITH FEWER SIDE EFFECTS COMPARED TO USING A SINGLE DRUG. THIS APPROACH IS SUPPORTED BY EXTENSIVE RESEARCH DEMONSTRATING THE SYNERGISTIC EFFECTS OF COMBINING OPIOIDS, NSAIDs (NON-STEROIDAL ANTI-INFLAMMATORY DRUGS), AND ADJUNCTIVE THERAPIES LIKE GABAPENTINOIDS OR AMANTADINE. FOR INSTANCE, STUDIES SHOW THAT COMBINING AN OPIOID LIKE BUPRENORPHINE WITH AN NSAID LIKE MELOXICAM PROVIDES SIGNIFICANTLY BETTER PAIN CONTROL POST-SURGERY IN DOGS THAN EITHER DRUG ALONE [CITATION NEEDED – REPLACE WITH SPECIFIC RESEARCH PAPER]. THE GUIDELINES SPECIFY APPROPRIATE DOSAGES AND ADMINISTRATION ROUTES FOR VARIOUS ANALGESIC AGENTS, CONSIDERING FACTORS LIKE SPECIES, AGE, WEIGHT, AND CO-MORBIDITIES.

ASSESSMENT OF PAIN: THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS PLACE STRONG EMPHASIS ON ACCURATE PAIN ASSESSMENT. THIS INVOLVES A THOROUGH UNDERSTANDING OF THE ANIMAL'S CLINICAL HISTORY, PHYSICAL EXAMINATION, AND BEHAVIORAL OBSERVATIONS. THE GUIDELINES RECOMMEND USING VALIDATED PAIN SCALES, SUCH AS THE GLASGOW COMPOSITE MEASURE PAIN SCALE (GCMPs) FOR CATS AND THE CANINE PAIN SCORES, TAILORED TO THE SPECIFIC SPECIES AND CLINICAL CONDITION. THIS SYSTEMATIC APPROACH ALLOWS FOR OBJECTIVE EVALUATION OF PAIN LEVELS AND ALLOWS VETERINARIANS TO TRACK THE EFFICACY OF THE CHOSEN TREATMENT PLAN. THE IMPORTANCE OF CONSIDERING THE SUBTLE SIGNS OF PAIN IN CATS, OFTEN MASKED BY STOICISM, IS HIGHLIGHTED THROUGHOUT THE GUIDELINES.

SPECIFIC CLINICAL SCENARIOS: THE GUIDELINES ADDRESS PAIN MANAGEMENT IN VARIOUS CONTEXTS, INCLUDING:

POSTOPERATIVE PAIN: THE GUIDELINES PROVIDE DETAILED RECOMMENDATIONS FOR MANAGING PAIN AFTER SURGICAL PROCEDURES, EMPHASIZING THE IMPORTANCE OF PREEMPTIVE ANALGESIA (PAIN MANAGEMENT STARTED BEFORE THE SURGERY EVEN BEGINS). THE RATIONALE BEHIND PREEMPTIVE ANALGESIA LIES IN ITS POTENTIAL TO REDUCE THE NEED FOR HIGHER DOSES OF ANALGESICS LATER, MINIMIZE THE DEVELOPMENT OF CENTRAL SENSITIZATION (WHERE THE NERVOUS SYSTEM BECOMES MORE SENSITIVE TO PAIN STIMULI), AND IMPROVE POSTOPERATIVE RECOVERY.

CHRONIC PAIN: THE GUIDELINES OFFER GUIDANCE ON THE MANAGEMENT OF CHRONIC PAIN CONDITIONS, SUCH AS OSTEOARTHRITIS, CANCER PAIN, AND NEUROPATHIC PAIN. IT HIGHLIGHTS THE IMPORTANCE OF A MULTIDISCIPLINARY APPROACH INVOLVING PAIN SPECIALISTS, VETERINARY BEHAVIORISTS, AND OTHER RELEVANT PROFESSIONALS. THE GUIDELINES STRESS THE NEED FOR LONG-TERM PAIN MANAGEMENT PLANS TAILORED TO THE INDIVIDUAL NEEDS OF EACH PATIENT.

EMERGENCY AND CRITICAL CARE: PAIN MANAGEMENT IN EMERGENCY AND CRITICAL CARE SETTINGS IS ADDRESSED, EMPHASIZING THE NEED FOR RAPID AND EFFECTIVE PAIN RELIEF, OFTEN USING INTRAVENOUS ANALGESICS.

OPIOID MANAGEMENT: THE GUIDELINES ADDRESS THE RESPONSIBLE USE OF OPIOID ANALGESICS IN DOGS AND CATS, EMPHASIZING THE IMPORTANCE OF APPROPRIATE DOSING, MONITORING FOR SIDE EFFECTS (SUCH AS RESPIRATORY DEPRESSION), AND CAREFUL CONSIDERATION OF POTENTIAL DRUG INTERACTIONS. THE GUIDELINES ADVOCATE FOR THE USE OF OPIOID AGONISTS LIKE BUTORPHANOL AND BUPRENORPHINE, WITH CAREFUL CONSIDERATION OF THE POTENTIAL RISKS AND BENEFITS BASED ON THE SPECIFIC PATIENT'S CONDITION AND OTHER MEDICATIONS THEY ARE RECEIVING.

NSAIDS: THE GUIDELINES PROVIDE DETAILED INFORMATION ON THE APPROPRIATE USE OF NSAIDS IN DOGS AND CATS, HIGHLIGHTING THEIR EFFECTIVENESS IN MANAGING INFLAMMATORY PAIN. HOWEVER, THEY ALSO EMPHASIZE THE IMPORTANCE OF CAREFUL PATIENT SELECTION, AS NSAIDS CAN HAVE SIGNIFICANT GASTROINTESTINAL AND RENAL SIDE EFFECTS. REGULAR MONITORING OF KIDNEY AND LIVER FUNCTION IS CRUCIAL DURING NSAID THERAPY.

ADJUNCTIVE THERAPIES: THE GUIDELINES ALSO DISCUSS THE ROLE OF ADJUNCTIVE THERAPIES, SUCH AS GABAPENTINOIDS (GABAPENTIN, PREGABALIN), AMANTADINE, AND ALPHA-2 AGONISTS (DEXMEDETOMIDINE). THESE DRUGS CAN ENHANCE THE EFFECTIVENESS OF OPIOIDS AND NSAIDS, POTENTIALLY ALLOWING FOR LOWER DOSES OF THESE DRUGS AND REDUCING THE RISK OF SIDE EFFECTS. THEIR USE IS PARTICULARLY HELPFUL IN MANAGING NEUROPATHIC PAIN.

CLIENT EDUCATION: THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS UNDERScore THE IMPORTANCE OF CLIENT EDUCATION. THE GUIDELINES RECOMMEND THAT VETERINARIANS COMMUNICATE EFFECTIVELY WITH CLIENTS ABOUT PAIN MANAGEMENT STRATEGIES, EXPECTED OUTCOMES, POTENTIAL SIDE EFFECTS, AND THE IMPORTANCE OF CONSISTENT MEDICATION ADMINISTRATION. THIS COLLABORATIVE APPROACH IS CRUCIAL FOR ACHIEVING OPTIMAL PAIN CONTROL AND ENSURING THE ANIMAL'S WELL-BEING.

SUMMARY

THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS ADVOCATE FOR A HOLISTIC, MULTIMODAL APPROACH TO PAIN MANAGEMENT, EMPHASIZING ACCURATE PAIN ASSESSMENT USING VALIDATED PAIN SCALES AND TAILORED TREATMENT PLANS BASED ON INDIVIDUAL PATIENT NEEDS. THE GUIDELINES STRESS THE IMPORTANCE OF PREEMPTIVE ANALGESIA, RESPONSIBLE OPIOID AND NSAID USE, AND THE UTILIZATION OF ADJUNCTIVE THERAPIES. CLIENT EDUCATION AND ONGOING MONITORING ARE HIGHLIGHTED AS CRUCIAL COMPONENTS OF EFFECTIVE PAIN MANAGEMENT. THE GUIDELINES AIM TO IMPROVE THE QUALITY OF LIFE FOR COMPANION ANIMALS BY PROVIDING VETERINARIANS WITH A COMPREHENSIVE FRAMEWORK FOR BEST PRACTICES IN PAIN CONTROL.

CONCLUSION

THE AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS REPRESENT A SIGNIFICANT ADVANCEMENT IN VETERINARY PAIN MANAGEMENT. BY PROMOTING A PROACTIVE, MULTIMODAL APPROACH AND EMPHASIZING THE IMPORTANCE OF ACCURATE ASSESSMENT AND CLIENT COMMUNICATION, THESE GUIDELINES PROVIDE A VALUABLE RESOURCE FOR VETERINARIANS SEEKING TO OPTIMIZE PAIN RELIEF AND IMPROVE THE QUALITY OF LIFE FOR THEIR PATIENTS. ADHERENCE TO THESE GUIDELINES IS CRUCIAL FOR ENSURING ETHICAL AND EFFECTIVE PAIN MANAGEMENT PRACTICES IN VETERINARY MEDICINE.

FAQs

1. WHAT ARE THE KEY DIFFERENCES BETWEEN PAIN MANAGEMENT IN DOGS AND CATS? CATS OFTEN MASK PAIN, REQUIRING CAREFUL OBSERVATION FOR SUBTLE SIGNS. THEY ARE ALSO MORE SUSCEPTIBLE TO CERTAIN SIDE EFFECTS OF ANALGESICS.
1. WHAT IS PREEMPTIVE ANALGESIA, AND WHY IS IT IMPORTANT? PREEMPTIVE ANALGESIA INVOLVES ADMINISTERING PAIN MEDICATION BEFORE THE PAINFUL STIMULUS (E.G., SURGERY), REDUCING THE OVERALL PAIN EXPERIENCE AND NEED FOR STRONGER ANALGESICS LATER.
1. WHAT ARE THE COMMON SIDE EFFECTS OF NSAIDS IN DOGS AND CATS? GASTROINTESTINAL UPSET, VOMITING, DIARRHEA, ULCERS, AND KIDNEY DAMAGE ARE POTENTIAL SIDE EFFECTS.
1. HOW DO I KNOW IF MY PET'S PAIN IS WELL-MANAGED? MONITOR FOR IMPROVEMENTS IN ACTIVITY LEVEL, APPETITE, MOOD, AND OBSERVE FOR DECREASED SIGNS OF PAIN USING VALIDATED PAIN SCALES.
1. WHAT SHOULD I DO IF MY PET EXPERIENCES SIDE EFFECTS FROM PAIN MEDICATION? CONTACT YOUR VETERINARIAN IMMEDIATELY TO DISCUSS POTENTIAL ADJUSTMENTS TO THE MEDICATION REGIMEN.
1. ARE THERE NATURAL PAIN MANAGEMENT OPTIONS FOR PETS? SOME COMPLEMENTARY THERAPIES MAY BE HELPFUL, BUT THEY SHOULD ALWAYS BE USED IN CONJUNCTION WITH, AND NOT AS A REPLACEMENT FOR, VETERINARY-PRESCRIBED PAIN MEDICATION.
1. HOW OFTEN SHOULD MY PET'S PAIN BE ASSESSED? REGULAR PAIN ASSESSMENTS SHOULD BE CONDUCTED BASED ON THE SEVERITY OF PAIN AND THE TYPE OF TREATMENT, IDEALLY MULTIPLE TIMES A DAY POST-SURGERY, AND REGULARLY THROUGHOUT CHRONIC PAIN MANAGEMENT.
1. WHAT ARE THE POTENTIAL RISKS ASSOCIATED WITH OPIOID USE IN PETS? RESPIRATORY DEPRESSION, CONSTIPATION, AND POTENTIALLY ADDICTION (THOUGH LESS COMMON IN ANIMALS THAN IN HUMANS) ARE POTENTIAL RISKS.
1. WHERE CAN I FIND THE FULL AAHA/AAFP PAIN MANAGEMENT GUIDELINES FOR DOGS AND CATS? THE GUIDELINES ARE TYPICALLY AVAILABLE ON THE AAHA AND AAFP WEBSITES (CHECK THEIR RESPECTIVE WEBSITES FOR THE MOST UP-TO-DATE VERSION).

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on the etiology of trigger points with a critical overview of current concepts. The contributing authors are the most respected myofascial pain research and practice experts. The authors address the etiology of trigger points, the epidemiology of myofascial pain, clinical management of patients, specific treatment issues, and the role of trigger points in various pain syndromes.

aaha aafp pain management guidelines for dogs and cats: Pharmacotherapeutics for Veterinary Dispensing Katrina L. Mealey, 2019-04-23 Delivers the foundational and practical knowledge required for pharmacists to become an integral part of the veterinary health care team, improving therapeutic outcome while preventing serious adverse drug reactions in veterinary patients Pharmacotherapeutics for Veterinary Dispensing enables pharmacists and pharmacy students to expand the breadth of their pharmacological knowledge to include common veterinary species. The book offers a practical yet complete resource for dispensing drugs for canine and feline patients, with additional chapters on horses, birds, reptiles, small mammals, and food animals. Edited by a globally recognized expert in veterinary pharmacology, and including chapters written by veterinarians with expertise in pharmacotherapy and pharmacists with expertise in veterinary medicine, this book is designed to help pharmacists enhance the quality of veterinary patient care. This book is the first to combine the expertise of both veterinarians and pharmacists to enable pharmacists to apply their knowledge and skills to assure optimal therapeutic outcomes for patients of all species. Pharmacotherapeutics for Veterinary Dispensing: Puts the information needed to safely dispense prescription and OTC drugs for veterinary patients at the pharmacists' fingertips Focuses on crucial details of canine and feline pharmacotherapeutics Helps pharmacists avoid adverse drug reactions including pharmacogenomic and breed-related drug sensitivities Offers an authoritative resource written by leading veterinary pharmacy experts designed to integrate pharmacists into the veterinary healthcare team Includes crucial regulatory information unique to veterinary drug dispensing and compounding Pharmacotherapeutics for Veterinary Dispensing is an essential reference for all pharmacists and pharmacy students that might find themselves dispensing drugs to veterinary patients, as well as for veterinarians and others involved with dispensing veterinary drugs. "Pharmacotherapeutics for Veterinary Dispensing is a book long overdue for the pharmacy profession....Whether you have practiced veterinary pharmacy your whole career or have never practiced veterinary pharmacy, this book has much to offer. Veterinarians are encouraged to suggest this book to pharmacists with whom they work and interact." - JAVMA Vol 255 No. 6

aaha aafp pain management guidelines for dogs and cats: Analgesia and Anesthesia for the Ill or Injured Dog and Cat Karol A. Mathews, Melissa Sinclair, Andrea M. Steele, Tamara Grubb, 2018-07-11 Analgesia and Anesthesia for the Ill or Injured Dog and Cat provides a comprehensive guide to anesthesia and pain management protocols, specifically tailored to ill or critically injured dogs and cats. Provides fast access to anesthesia and pain management protocols specifically tailored to ill or critically injured dogs and cats Takes a case-based structure to make it easy to find and apply relevant information Presents step-by-step clinical procedures and techniques Supplies concise, relevant background information for all drugs recommended in the protocols, highlighting recommendations and cautions for specific patient conditions Includes detailed information for geriatric, pregnant, nursing, and pediatric patients and those with cardiac, liver or kidney pathology

aaha aafp pain management guidelines for dogs and cats: Handbook of Veterinary Pain Management - E-Book James S. Gaynor, William W. Muir, 2008-01-29 You can trust this user-friendly guide to help you meet the increasing need for effective pain management in the animals you treat. It provides instant access to clinically relevant information on pain assessment, pharmaceutical and non-pharmaceutical treatment options, guidelines for managing acute and chronic pain, and unique aspects of pain management in dogs, cats, horses, cattle, birds, reptiles, ferrets, and rabbits. User-friendly format helps you quickly and easily find essential pain management information. Helpful boxes and tables provide at-a-glance access to pharmacologic protocols and clinical applications, including dosages, indications, contraindications, and side effects. Complementary and alternative treatment strategies are included throughout to assist you in using the latest non-pharmacological pain interventions. Case studies clearly illustrate the practical

applications of key concepts in the clinical setting and help you sharpen your pain assessment and management skills. New contributors — many of the most respected experts in the field — share their insights and experiences to bring you the most current thinking in this ever-changing discipline. Completely revised and updated content throughout ensures you are using the best and most current information available on analgesic drugs and pain management techniques. An expanded chapter on Pain Management in Horses and Cattle explores the latest advances in treating this group of animals. Eight new chapters offer cutting-edge coverage of hot topics in the field, including: Pain Management in the Cat Pain Management for the Pet Bird Clinical Approaches to Analgesia in Reptiles Clinical Approaches to Analgesia in Ferrets and Rabbits Physical Therapy and Rehabilitation in Dogs Rehabilitation Methods and Modalities for the Cat Quality of Life Issues Hospice and Palliative Care

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aaha aafp pain management guidelines for dogs and cats: *The Veterinary Dental Patient: A Multidisciplinary Approach* Jerzy Gawor, Brook Niemiec, 2021-09-27 Provides an interdisciplinary approach to the veterinary dental patient and offers guidance on all aspects of integrating dentistry into veterinary general practice The Veterinary Dental Patient: A Multidisciplinary Approach helps veterinarians understand the dental aspects of every canine and feline patient and shows them how to effectively manage their oral health. It also provides guidance to the rest of the veterinary team so they can offer a coordinated approach when recommending and performing veterinary dentistry as a regular part of general practice. Edited by two prominent veterinary dentists who are Board Certified in both Europe and the United States, the text includes the latest information on safe anesthetic and monitoring protocols, accurate diagnosis and management, and referring patients to specialists. Chapters cover: establishing a dental presence in general veterinary practice; nutrition, oral health, and feeding dental patients; local, regional, and systemic complications of dental diseases; pain management; ophthalmic considerations; common situations for malpractice and mistakes; oral and maxillofacial surgery; extraction techniques and equipment; drug dosages and more. The book also offers several helpful appendixes. The Veterinary Dental Patient: A Multidisciplinary Approach is an essential book for all vets in general small animal practice as well as the wider veterinary team, including managers, veterinary nurses and technicians, and administrative staff.

aaha aafp pain management guidelines for dogs and cats: *Laser Therapy in Veterinary Medicine* Ronald J. Riegel, John C. Godbold, Jr., 2017-05-30 Laser Therapy in Veterinary Medicine: Photobiomodulation is a complete guide to using therapeutic lasers to treat veterinary patients, focusing on practical information. Offers a comprehensive resource for incorporating therapeutic lasers in veterinary practice Focuses on practical information tailored for the veterinary clinic Written by 37 leading experts in veterinary laser therapy Provides a thorough foundation on this standard-of-care modality Emphasizes clinical applications with a real-world approach

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aaha aafp pain management guidelines for dogs and cats: *Canine Sports Medicine and Rehabilitation* Chris Zink, Janet B. Van Dyke, 2018-02-21 Canine Sports Medicine and Rehabilitation This thoroughly revised and updated new edition offers a gold standard reference for all aspects of

sports medicine and rehabilitation, encompassing basic science and integrated veterinary and physical therapy approaches. New chapters cover biological therapies, working dogs, and business management, and every chapter has been extensively revised and expanded with state-of-the-art information—providing an even greater wealth of evidence, expertise, and experience to this complex discipline. Presented in full color, with illustrations and photographs throughout and real-world case studies, the book is a detailed yet practical guide ideal for the clinical setting. Providing must-have information for anyone working with active dogs or rehabilitation patients, Canine Sports Medicine and Rehabilitation offers enlightening chapters including: Locomotion and Athletic Performance; Canine Therapeutic Exercise; Canine Aquatic Therapy; Conditioning and Retraining the Canine Athlete; Veterinary Orthotics and Prosthetics; Diagnosis of and Treatment Options for Disorders of the Canine Spine; Rehabilitation for Geriatric Canine Patients; The Role of Acupuncture and Manipulative Therapy in Canine Rehabilitation; and much more. Presents current, state-of-the-art information on sports medicine and rehabilitation in dogs Offers perspectives from an international list of expert authors Covers all topics related to veterinary care of the canine athlete and all active dogs Includes illustrations and photographs throughout to demonstrate key concepts Provides clinical cases that set the information in context Canine Sports Medicine and Rehabilitation is a complete resource for veterinarians, physical therapists, veterinary technicians, and anyone interested in working with canine athletes or in offering rehabilitation therapy in their practice.

aaha aafp pain management guidelines for dogs and cats: Pet-Specific Care for the Veterinary Team Lowell Ackerman, 2021-03-23 A practical guide to identifying risks in veterinary patients and tailoring their care accordingly Pet-specific care refers to a practice philosophy that seeks to proactively provide veterinary care to animals throughout their lives, aiming to keep pets healthy and treat them effectively when disease occurs. Pet-Specific Care for the Veterinary Team offers a practical guide for putting the principles of pet-specific care into action. Using this approach, the veterinary team will identify risks to an individual animal, based on their particular circumstances, and respond to these risks with a program of prevention, early detection, and treatment to improve health outcomes in pets and the satisfaction of their owners. The book combines information on medicine and management, presenting specific guidelines for appropriate medical interventions and material on how to improve the financial health of a veterinary practice in the process. Comprehensive in scope, and with expert contributors from around the world, the book covers pet-specific care prospects, hereditary and non-hereditary considerations, customer service implications, hospital and hospital team roles, and practice management aspects of pet-specific care. It also reviews specific risk factors and explains how to use these factors to determine an action plan for veterinary care. This important book: Offers clinical guidance for accurately assessing risks for each patient Shows how to tailor veterinary care to address a patient's specific risk factors Emphasizes prevention, early detection, and treatment Improves treatment outcomes and provides solutions to keep pets healthy and well Written for veterinarians, technicians and nurses, managers, and customer service representatives, Pet-Specific Care for the Veterinary Team offers a hands-on guide to taking a veterinary practice to the next level of care.

aaha aafp pain management guidelines for dogs and cats: Pain Management in Veterinary Practice Christine M. Egger, Lydia Love, Tom Doherty, 2013-12-31 Pain Management in Veterinary Practice provides veterinary practitioners with the information needed to recognize and manage pain in a wide range of large, small, and exotic animal species. Encompassing acute, adaptive, and chronic, maladaptive pain, the book provides an up-to-date review of the physiology and pathophysiology of pain. Pain Management in Veterinary Practice offers specific strategies for addressing pain in animals, including local and regional analgesia, continuous rate infusions, and novel methods of analgesic drug delivery. With comprehensive information on the pharmacokinetic and pharmacodynamic characteristics of analgesic drugs, the book goes beyond pharmaceutical options to incorporate scientific information on techniques for complementary treatment, including physical therapy, acupuncture, chiropractic techniques, and nutritional strategies. Pain Management

in Veterinary Practice is a valuable resource for developing pain management protocols in the veterinary clinic.

aaha aafp pain management guidelines for dogs and cats: Canine and Feline Anesthesia and Co-Existing Disease Rebecca A. Johnson, Lindsey B. C. Snyder, Carrie A. Schroeder, 2022-01-26 A fully updated new edition of the only text solely focused on anesthesia of dogs and cats with co-existing disease The revised Second Edition of Canine and Feline Anesthesia and Co-Existing Disease expands and updates the only book solely dedicated to practical anesthetic techniques for dogs and cats with co-existing disease. The book now includes additional images in full color, new discussions of cutting-edge drugs and techniques, and updated chapters and information throughout. This text provides in-depth and clinically-useful information that can easily be incorporated into the progressive companion animal practice. It offers more than 200 new images and 4 new chapters focusing on urogenital concerns, genetic diseases, nociceptive disorders, and cardiopulmonary resuscitation and post-resuscitation care. It is intuitively organized by body system to allow for quick and easy reference. Key features: Presents concise, yet comprehensive anesthetic considerations and management plans for dogs and cats with co-existing disease and patients with altered physiology Explores commonly-encountered disease processes and their anesthetic management, including cardiovascular, respiratory, renal, neurologic, endocrine, and hepatic diseases, among others Highlights important physiologic alterations encountered in neonatal, pregnant, and geriatric patients and their implications for anesthetic management Includes access to a companion website with relevant clinical videos at www.wiley.com/go/johnson/canine Canine and Feline Anesthesia and Co-Existing Disease is a must-have reference for veterinarians, veterinary technicians, and veterinary students seeking a one-stop resource for anesthetic techniques in veterinary patients with co-existing disease and/or altered physiology.

aaha aafp pain management guidelines for dogs and cats: Pain Management for Veterinary Technicians and Nurses Mary Ellen Goldberg, 2014-11-17 Pain Management for Veterinary Technicians and Nurses guides readers through the important concepts of animal pain management, providing specific approaches to managing pain in a wide variety of veterinary conditions. Emphasizing the technician's role in advocating for the patient, the book equips technicians with the knowledge needed to manage pain in dogs, cats, horses, livestock, exotics, and zoo animals. Logically and comprehensively covering this difficult subject, Pain Management for Veterinary Technicians and Nurses provides both introductory material on the tenets of pain management and specific techniques to apply in the clinical setting. With information on recognizing and understanding pain, the physiology of pain, pharmacology, and analgesia in different settings, the book outlines how to practice good pain management as an integral part of nursing care. Pain Management for Veterinary Technicians and Nurses provides both basic and advanced information, allowing students, practicing veterinary technicians and nurses, and veterinary staff alike to take a more active role in pain management and develop a more thorough understanding of this complex subject.

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aaha aafp pain management guidelines for dogs and cats: Veterinary Anesthetic and Monitoring Equipment Kristen G. Cooley, Rebecca A. Johnson, 2018-10-30 Veterinary Anesthetic and Monitoring Equipment is the first veterinary-specific resource solely dedicated to anesthetic and monitoring equipment used in clinical practice. Offers a practical guide to anesthetic and monitoring

equipment commonly used in veterinary medicine Provides clinically oriented guidance to troubleshooting problems that may occur Discusses general principles applicable to any equipment found in the practice Presents information associated with novel anesthetic equipment and monitors

aaha aafp pain management guidelines for dogs and cats: *Anesthesia and Analgesia for Veterinary Technicians and Nurses* - E-Book John Thomas, Phillip Lerche, 2023-10-31 Master the veterinary technician's role as a veterinary anesthetist! Covering the principles of animal anesthesia and pain management, *Anesthesia and Analgesia for Veterinary Technicians and Nurses*, 6th Edition is the definitive guide to the latest drugs, techniques and protocols, and anesthetic equipment. Clear guidelines to anesthesia administration include pre-anesthetic preparation of the patient, induction procedures, the monitoring of patients' vital signs during the anesthetic period, and postoperative care. Written by expert educators John A. Thomas and Philip Lerche, this trusted text prepares you for success in the classroom and on the Veterinary Technician National Exam (VTNE). - Comprehensive coverage of dogs, cats, horses, cattle, camelids, and swine makes this an excellent resource for veterinary students and technicians. - Illustrated, step-by-step guidelines to common procedures include patient preparation, IV catheter placement, anesthetic induction techniques, endotracheal intubation, anesthetic maintenance techniques, and anesthetic recovery. - Two large-animal anesthesia chapters cover pain management and anesthetic techniques for equine, ruminant, camelid, and swine patients. - Reference tables and boxes provide quick access to fluid administration rates, properties of anesthetic drugs, oxygen flow rates, anesthetic protocols, normal and abnormal monitoring parameters, and more. - Learning features include chapter outlines, learning objectives, key terms, Technician Notes, key points, review questions, and suggested readings. - Glossary at the end of the text makes it easy to look up definitions of terms. - NEW! Content on anesthetic practices used to improve patient outcomes includes anesthetic safety checklists, anxiolysis, minimization of anatomical dead space, and administration of constant rate infusions. - NEW! Updates reflect the latest advances in veterinary anesthesia and analgesia including new fasting recommendations, drugs, equipment, and anesthetic protocols. - NEW! Expanded coverage includes equipment care and sanitation, management of hypothermia, and local anesthetic techniques used to provide analgesia. - NEW! Updated practice guidelines provide the basis for anesthesia information, including the 2022 AAHA Pain Management Guidelines for Dogs and Cats and the 2020 AAHA Anesthesia and Monitoring Guidelines for Dogs and Cats. - NEW! Revised and additional reference tables and charts enhance their ease of use for routine tasks such as calculation of IV fluid administration rates and oxygen flow rates, and interpretation of monitoring data.

aaha aafp pain management guidelines for dogs and cats: *Applied Pharmacology for Veterinary Technicians* - E-Book Lisa Martini-Johnson, 2020-07-21 ****Selected for Doody's Core Titles® 2024 with Essential Purchase designation in Veterinary Nursing & Technology**** Learn to calculate dosages accurately and administer drugs safely! *Applied Pharmacology for Veterinary Technicians*, 6th Edition shows you how to determine drug dosages, administer prescribed drugs to animals, and instruct clients about side effects and precautions. Coverage of drugs includes pharmacokinetics, pharmacodynamics, clinical uses, dosage forms, and adverse effects. An Evolve companion website offers animations of pharmacologic processes, practice with dosage calculations, and more. Written by veterinary technology educator Lisa Martini-Johnson, this resource provides the pharmacology knowledge you need to succeed as a vet tech! - Quick-access format makes it easy to find important drug information, including clinical uses, dosage forms, and adverse side effects. - Body systems organization follows a logical sequence of study. - Illustrated, step-by-step procedures demonstrate proper administration techniques for common drug forms. - Key terms, chapter outlines, Notes boxes, and learning objectives focus your learning and make studying easier. - Proprietary drug names are listed with the generic drug names, highlighting drugs that have generic options. - Companion Evolve website includes drug dosage calculators with accompanying word problems, animations of pharmacologic processes, and dosage calculation exercises. - Dosage calculation exercises provide practice immediately after new information is presented. - Review

questions reinforce your understanding of key concepts, with answers located in the back of the book. - Technician Notes provide useful hints and important reminders to help you avoid common errors and increase your efficiency on the job. - NEW! Emergency Drugs chapter is added. - UPDATED drug information keeps you current with the newest pharmacologic agents and their uses, adverse side effects, and dosage forms. - NEW! Case studies at the end of every chapter introduce real-world scenarios.

aaha aafp pain management guidelines for dogs and cats: Pain Management in Nursing Practice Shelagh Wright, 2014-12-08 Pain is a challenging area to understand for any healthcare professional, and quality training on the subject is required if nurses are to provide effective pain management and person-centred care. Based on the curriculum developed by the International Association for the Study of Pain, this book offers an essential guide to managing pain. Beginning with an examination of the biology of pain, it then goes on to consider pain management across the life course, looking at key topics including acute pain, cancer pain and pharmacology. Case scenarios are included throughout the book to help readers apply the knowledge they have learned to their own practice. This book is aimed primarily at meeting the learning needs of undergraduate nurses, and is essential reading for all healthcare professionals studying pain. The text will be helpful as a basic foundation for more advanced postgraduate courses in pain management in nursing practice.

aaha aafp pain management guidelines for dogs and cats: The Feline Patient Gary D. Norsworthy, Sharon Fooshee Grace, Mitchell A. Crystal, Larry P. Tilley, 2011-06-28 The Feline Patient, Fourth Edition maintains its tradition of providing a comprehensive yet accessible reference to feline diseases. Topics are arranged alphabetically within sections, allowing busy clinicians to rapidly find information on diagnostics and treatment options, all specific to the unique needs of cats. Now bigger and better than ever, the user-friendly Fourth Edition offers a wealth of reliable, up-to-date information for managing feline patients. This revision includes more than 500 additional clinical photographs and 84 new chapters, with significant expansions to the behavior, clinical procedures, and surgery sections. CT and MRI modalities have been added to the imaging section, already the most extensive collection of feline radiographs and ultrasounds in print. The Feline Patient, Fourth Edition is an essential resource for all practitioners seeing feline patients.

aaha aafp pain management guidelines for dogs and cats: The Cat - E-Book Susan E. Little, 2024-03-05 Comprehensive in scope and exclusively devoted to feline medical care, Dr. Susan Little's The Cat: Clinical Medicine and Management, 2nd Edition, is an essential resource for providing complete, state-of-the-art care to cats. Authoritative, clinically focused information is enhanced by full-color images, tables, boxes, algorithms, key points, and more — all in an easy-to-understand, quick-reference format. Dr. Little and her expert contributors address the unique concerns and challenges facing any practitioner providing care for cats, including the latest advances in feline medical diagnosis and management and the clinical applications to everyday practice. An eBook version, included with print purchase, provides access to all the text, figures, and references, with the ability to search, customize content, make notes and highlights, and have content read aloud. The eBook also offers convenient video lessons and client handouts. - Covers the latest advances in feline medicine from a systemic and adjunctive care perspective, making it the most comprehensive feline medical reference available with a strong clinical focus. - Addresses key topics unique to feline medicine and not currently covered in other books, including: insights and clinical advances attributable to the mapping of the feline genome; medical conditions associated with behavioral problems; managing the feline patient with co-existing and chronic diseases; special medical problems and care considerations for the geriatric cat; environmental enrichment for the indoor cat; feline zoonotic agents and implications for human health; and humane solutions for shelter medicine and overpopulation challenges. - Helps meet the increasing demand for state-of-the-art medical care by cat owners, including advanced diagnostic services and treatments designed to extend and improve quality of life for feline companions. - Features a full-color design with hundreds of schematic drawings, tables, boxes, key points, algorithms, and photographs for

quick and easy access to information. - Provides in-depth information on indoor cats and senior cats, including timely guidance on meeting owners' expectations for longer, healthier lives for their cats. - Addresses the challenges of cat overpopulation, particularly humane approaches to improve quality of life for millions of feral and community cats and minimize their impact on public health and endangered species of animals. - Presents information written in the manner of expanded conference proceedings, delivering the latest insights and most current approaches to management of feline medical disorders. - Includes contributions from approximately 80 contributors, including many from outside the US, to provide a global perspective and valuable expertise from those most knowledgeable in the field of feline medical care.

aaha aafp pain management guidelines for dogs and cats: *The Cat* Susan E. Little, 2011-10-14 Comprehensive in scope and exclusively devoted to feline medical care, Dr. Susan Little's *The Cat: Clinical Medicine and Management* is an essential resource for anyone who provides complete, state-of-the-art care to cats. In one convenient volume, you'll find authoritative, clinically-focused information enhanced by full-color illustrations, tables, boxes, algorithms, key points, and much more — all in a format designed for quick access. Dr. Little and her expert contributors address the unique concerns and challenges facing the feline practitioner, including the latest advances in feline medical diagnosis and management and their clinical applications to everyday practice. User-friendly and complete, *The Cat* is also available as an e-book, giving you easy access to the complete, fully-searchable contents online. - Covers the latest advances in feline medicine from a systemic and adjunctive care perspective. It's the most comprehensive feline medical reference available with a strong clinical focus. - Helps you meet the increasing demand for state-of-the-art medical care by cat owners — including advanced diagnostic services and treatments designed to extend and improve quality of life for feline companions. - Features a full-color design with hundreds of schematic drawings, tables, boxes, key points, algorithms, and photographs for quick and easy access to information. - Addresses key topics unique to feline medicine and not currently covered in other books, including: insights and clinical advances attributable to the mapping of the feline genome; medical conditions associated with behavioral problems; managing the feline patient with co-existing and chronic disease; special medical problems and care considerations for the geriatric cat; environmental enrichment for the indoor cat; feline zoonotic agents and implications for human health; and shelter medicine and overpopulation solutions. - Provides in-depth information on indoor cats and senior cats, including timely guidance on meeting owners' expectations for longer, healthier lives for their cats. - Addresses the challenges of pet overpopulation, particularly the impact of millions of feral cats on public health and the environment. - Presents information written in the manner of expanded conference proceedings, delivering the latest insights and most current approaches to management of feline medical disorders. - Includes contributions from approximately 60 contributors, drawing on the valuable expertise of those most knowledgeable in the field of feline medical care. - Bears the full endorsement of the Winn Feline Foundation, a non-profit organization that supports studies about cat health and funds feline research projects worldwide, and is internationally regarded as a major contributor to the health and wellbeing of all cats. - The complete contents also are available online through Veterinary Consult.

aaha aafp pain management guidelines for dogs and cats: Veterinary Anesthesia and Analgesia Kurt A. Grimm, Leigh A. Lamont, William J. Tranquilli, Stephen A. Greene, Sheila A. Robertson, 2015-05-11 *Veterinary Anesthesia and Analgesia: the Fifth Edition of Lumb and Jones* is a reorganized and updated edition of the gold-standard reference for anesthesia and pain management in veterinary patients. Provides a thoroughly updated edition of this comprehensive reference on veterinary anesthesia and analgesia, combining state-of-the-art scientific knowledge and clinically relevant information. Covers immobilization, sedation, anesthesia, and analgesia of companion, wild, zoo, and laboratory animals. Takes a body systems approach for easier reference to information about anesthetizing patients with existing conditions. Adds 10 completely new chapters with in-depth discussions of perioperative heat balance, coagulation disorders, pacemaker

implantation, cardiac output measurement, cardiopulmonary bypass, shelter anesthesia and pain management, anesthetic risk assessment, principles of anesthetic pharmacology, and more Now printed in color, with more than 400 images

aaha aafp pain management guidelines for dogs and cats: *Recognition and Alleviation of Pain in Laboratory Animals* National Research Council, Division on Earth and Life Studies, Institute for Laboratory Animal Research, Committee on Recognition and Alleviation of Pain in Laboratory Animals, 2010-01-14 The use of animals in research adheres to scientific and ethical principles that promote humane care and practice. Scientific advances in our understanding of animal physiology and behavior often require theories to be revised and standards of practice to be updated to improve laboratory animal welfare. *Recognition and Alleviation of Pain in Laboratory Animals*, the second of two reports revising the 1992 publication *Recognition and Alleviation of Pain and Distress in Laboratory Animals* from the Institute for Laboratory Animal Research (ILAR), focuses on pain experienced by animals used in research. This book aims to educate laboratory animal veterinarians; students, researchers and investigators; Institutional Animal Care and Use Committee members; and animal care staff and animal welfare officers on the current scientific and ethical issues associated with pain in laboratory animals. It evaluates pertinent scientific literature to generate practical and pragmatic guidelines for recognizing and alleviating pain in laboratory animals, focusing specifically on the following areas: physiology of pain in commonly used laboratory species; pharmacologic and non-pharmacologic principles to control pain; identification of humane endpoints; and principles for minimizing pain associated with experimental procedures. Finally, the report identifies areas in which further scientific investigation is needed to improve laboratory animal welfare.

aaha aafp pain management guidelines for dogs and cats: *Pain Management in Small Animal Medicine* Steven Fox, 2013-12-06 *Pain Management in Small Animal Medicine* describes and clearly illustrates the difficulties and choices facing veterinarians in identifying and treating pain, in addition to providing an account of the neurobiological mechanisms responsible for the pain. Expanded from the author's previous work, *Chronic Pain in Small Animal Medicine*, this volume us

aaha aafp pain management guidelines for dogs and cats: *Clinical Handbook of Feline Behavior Medicine* Elizabeth Stelow, 2022-12-20 Comprehensive resource offering practical and accessible guidance on managing behavior problems in cats *Clinical Handbook of Feline Behavior Medicine* provides a complete, easy-to-use reference to practical information on identifying, diagnosing, and treating behavior problems in cats. Designed to offer streamlined access to concrete guidance for managing feline behavior, the book offers diagnostic plans organized by clinical sign. Normal behavior is thoroughly described, to provide a better understanding of the abnormal, with the heart of the book devoted to advice for identifying, diagnosing, and treating specific behavior problems. The book describes the diagnostic process and covers treatment options for each problem. A companion website offers client education handouts to enhance compliance and video clips depicting presenting complaints. Sample topics covered in *Clinical Handbook of Feline Behavior Medicine* include: Normal feline social behavior, covering body language and other social communication, feline social structure, interactions with humans and other species, and social/behavioral development in the kitten Preventing behavior problems, covering feeding, litter box availability and care, scratching options, toys, and grooming Elimination problems, including the differentiation between urine marking and toileting, deducing the underlying causes, and elements of effects treatment plans Senior cats, covering feline cognitive decline, increased vocalization, sleep-wake cycle disturbances, disorientation, litterbox problems, and repetitive behaviors With its specific topical focus of behavior in felines, *Clinical Handbook of Feline Behavior Medicine* is a targeted and highly useful resource for any veterinarian seeing feline patients, assisting through all stages of treatment with easily accessible and understandable information.

aaha aafp pain management guidelines for dogs and cats: *Pain Management in Animals* P. A. Flecknell, Avril Waterman-Pearson, 2000 An ever-increasing number of drugs are available to veterinarians for use in the control of pain. This new, concise guide gives vets with all the information they need to choose the most appropriate pain medication for any clinical situation.

Introductory chapters explain the physiology of pain and the pharmacology of analgesics, and are followed by detailed chapters on management of acute and post-operative pain and chronic pain, the problems of pain management and pain assessment. Written by an international team of veterinary pain management experts, Pain Management in Animals provides vets with all the information they need to provide good pain control in all their patients.

aaha aafp pain management guidelines for dogs and cats: Monitoring and Intervention for the Critically Ill Small Animal Rebecca Kirby, Andrew Linklater, 2016-12-19 Monitoring and Intervention for the Critically Ill Small Animal: The Rule of 20 offers guidance for assessing the patient, interpreting diagnostic test results, and selecting appropriate monitoring procedures. Based on Rebecca Kirby's time-tested Rule of 20, with a chapter devoted to each item on the checklist Provides comprehensive guidance for monitoring a critically ill small animal patient Emphasizes the interplay of each parameter with one another Designed for fast access on the clinic floor, with potentially life-saving ideas, tips, lists and procedures Presents tables, schematics, algorithms, and drawings for quick reference

aaha aafp pain management guidelines for dogs and cats: Effective Options Regarding Spay or Neuter of Dogs Lynette Arnason Hart, Benjamin Hart, Michelle Anne Kutzler, Kathryn Natrass Atema, 2024-07-12 In recent decades, spay or neuter of dogs, including early-age spay-neuter, has become a common practice in the United States, intended primarily to reduce overpopulation and therefore relinquishment of dogs to animal shelters and humane societies. Neutering dogs prior to adoption is even, in some localities, a legal requirement. However, recent research has called into question the common wisdom of mandatory and indiscriminate spay-neuter. An important welfare issue is that for some canine breeds, neutering is associated with heightened levels of musculoskeletal disorders and/or certain cancers, while for others no adverse effects of neuter status on diseases are evident. Adverse consequences of early neutering can be particularly troubling for the breeds most often used in working or assistance roles, shortening the working lives of these extensively trained dogs, e.g., Golden Retrievers, Labrador Retrievers, and German Shepherds. It must also be considered that, in many countries outside of the United States, dog populations are not routinely sterilized and, in some cases, maintain low rates of dog relinquishment. In other cases, where street dog populations are prevalent, results of long-term sterilization program are mixed as to their success in preventing or reducing street dog populations. It is clear that reproduction is not the sole cause of dog relinquishment, and that an outsized focus on sterilization can inhibit efforts to protect animals and, in some cases, be harmful to them. These issues raise questions regarding legal implications, adoption, and methods of controlling reproduction. This Research Topic seeks to provide a scholarly forum addressing the numerous contexts and complexities, including cultural and legal issues related to spay and neuter of dogs. collapse

aaha aafp pain management guidelines for dogs and cats: Pain Management for the Small Animal Practitioner (Book+CD) William J. Tranquilli, Kurt A. Grimm, Leigh A. Lamont, 2022-03-31 This manual provides an easy guide to pain management for the veterinary practitioner. Beginning with pain terminology, it goes on to describe to physiology of pain, management strategies, various drugs and techniques, and the management of specific conditions and procedures. Strategies for the treatment of pain are reviewed, with an overview of the mechanisms by which pain is perceived and the principles of pain management. The drugs used in the treatment of acute and chronic pain are discussed as well as the specific techniques used to control intra- and post operative pain in dogs and cats. Published by Teton New Media USA and distributed by CRC Press outside of North America.

aaha aafp pain management guidelines for dogs and cats: Textbook of Veterinary Internal Medicine - Inkling E-Book Stephen J. Ettinger, Edward C. Feldman, Etienne Cote, 2016-12-19 Your days spent fruitlessly scouring textbooks and websites for credible vet information are over! Now you can get the whole story — the accurate story — all in one place. Introducing The Textbook of Veterinary Internal Medicine, Expert Consult, 8th Edition. Still the only comprehensive

resource for veterinary internal medical problems, this faculty-and-student-favorite offers unparalleled coverage of pathophysiology, diagnosis, and disease treatments for dogs and cats. In addition to new chapters and discussions on the industry's most topical issues, this gold standard in vet medicine comes with hundreds of original videos, algorithms, and learning tools to really bring all the information to life. There's no better source to help you unlock the secrets of veterinary medicine than Ettinger's! Fully searchable online text offers quick access to the most trusted information in the field. Complete library of over 500 original clinical videos you can believe in. Instead of fruitless YouTube searches, each video expertly breaks down veterinary procedures and important signs of diseases and disorders that are difficult or impossible to understand from written descriptions alone. In-depth coverage of timely issues includes expert explanations on topics such as the genome, clinical genomics, euthanasia, innocent heart murmurs, hyperbaric medicine, home prepared and raw diets, obesity, botulism, artificial pacing of the heart, and cancer vaccines. Thousands of references accessible from the printed book with the click of a QR code. 256 all-new client information sheets can be downloaded, customized, and printed as client handouts. 214 new and updated clinical algorithms aid in disease identification and decision-making. Exclusive access to Expert Consult Online website offers the complete library of original video clips, heart sounds, the full collection of client information sheets, and hyperlinking of references to their source abstracts in PubMed. NEW! In-depth coverage of the latest information and trends in small animal internal medicine. Completely new section on minimally-invasive interventional procedures includes techniques for treating respiratory, cardiovascular, gastrointestinal, urologic/nephrologic, and neoplastic disorders. 17 new chapters address the major clinicopathologic abnormalities that occur in canine and feline laboratory testing. Completely new section on management of mutually-antagonistic comorbidities spotlights concurrent cardiac and renal disease, concurrent infection in patients requiring immunosuppression, and concurrent diabetes mellitus and corticosteroid-dependent disease. Expert explanations on topics such as evidence-based medicine, distinguishing behavioral disorders from medical neurologic disorders, blood transfusion techniques, hyperadrenocorticism (Cushing's disease), chronic kidney disease, respiratory and inhalant therapy, and many more.

aaha aafp pain management guidelines for dogs and cats: Integrative Medicine in Veterinary Practice Lisa P. McFaddin, 2024-04-02 Integrative Medicine in Veterinary Practice Enables the entire veterinary team to seamlessly incorporate integrative medicine into everyday practice Integrative Medicine in Veterinary Practice is a unique resource designed to introduce the basic concepts of ten different integrative modalities to all members of the hospital team to establish a baseline of knowledge: explaining how patients will benefit from their use, discussing return on investment, informing veterinarians of available courses and suggested reading materials, walking managers through staff training, and providing client education materials. Supplemental web-based documents and presentations increase the ease with which staff are trained and clients are educated. Integrative medicine is not an all-or-nothing concept. This umbrella term encompasses a wide spectrum of treatment modalities. Therapies can be used individually or in combination, as part of a multimodal approach, and applied easily to every patient or used in select cases. Sample topics covered in Integrative Medicine in Veterinary Practice include: Photobiomodulation, covering light, laser specifics, mechanisms of action, supplies and equipment, and techniques Veterinary Spinal Manipulation Therapy (VSMT), covering pain in veterinary patients, mechanisms of action, adjustment vs. manipulation vs. mobilization, techniques, and post-adjustment recommendations Acupuncture, covering acupuncture point selection using traditional Chinese veterinary medicine (TCVM) and Western medicine techniques, mechanisms of action, safety, and practical applications. Chinese Herbal Medicine (CHM), covering TCVM fundamentals as it applies to herbal classification and selection, herb production, safety, and formulation, and CHM applications. Integrative Medicine in Veterinary Practice is a valuable resource for all veterinary hospital team members, from customer service representatives to veterinary assistants/technicians, practice managers, and veterinarians. The text is also helpful to veterinary students interested in integrative medicine, or

those taking introductory integrative medicine courses.

aaha aafp pain management guidelines for dogs and cats: *Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care* Jamie M. Burkitt Creedon, Harold Davis, 2012-04-03 *Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care* is a comprehensive yet practical reference, providing hands-on information essential to veterinarians and veterinary technicians involved in emergency and critical care. Written by an expert team of veterinarians and veterinary technicians, this well-referenced book offers step-by-step protocols for performing advanced emergency and critical care procedures and monitoring techniques. Packed with practical guidance in an easy-to-use format, this book is ideally suited for quick access in emergency rooms or intensive care units. Organized primarily by body system, each chapter covers general principles, indications, equipment, techniques, basic interpretation, troubleshooting, and contraindications. Standardized protocols supply equipment lists and step-by-step instructions throughout, and a companion website offers images from the book in PowerPoint and protocols as downloadable Word files. *Advanced Monitoring and Procedures for Small Animal Emergency and Critical Care* is a valuable resource for any veterinary staff member with an interest in improving the standard of care in emergency and critical care medicine.

aaha aafp pain management guidelines for dogs and cats: *Animal Physiotherapy* Catherine McGowan, Lesley Goff, 2016-05-02 A thoroughly updated edition of this essential reference guide for physiotherapists and physical therapists, looking to apply the proven benefits of physiotherapy to the treatment of companion and performance animals. Seven new chapters provide greatly expanded coverage of practical treatment and rehabilitation Includes reviews of different physiotherapy techniques, drawing on both human and animal literature Discusses approaches in small animal medicine as well as for elite equine athletes Provides applied evidence-based clinical reasoning model, with case examples Now in full colour with many more illustrations

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Technicians and Nurses, 10th Edition provides a solid foundation in every aspect of veterinary technology, including care of small and large animals, birds, reptiles, and small mammals. Procedure boxes offer step-by-step guidelines to performing key tasks, and use of the veterinary technician practice model helps to improve your critical thinking and decision-making skills. Written by vet tech experts Joanna Bassert, Angela Beal, and Oreta Samples, this illustrated guide prepares you for success on the Veterinary Technician National Exam (VTNE®) and in clinical practice. - 2017 winner of the William Holmes McGuffey Longevity Award (McGuffey) from the Text & Academic Authors Association (TAA), which recognizes textbooks and learning materials whose excellence has been demonstrated over time. - Case presentations provide real-life scenarios, so students can practice critical thinking and decision-making skills. - Step-by-step instructions show students how to perform dozens of procedures, making information easy to access in emergency and clinical situations. - More than 1,000 full-color photographs and line drawings depict veterinary technology concepts and techniques. - Chapter outline, learning objectives, and key terms begin each chapter, focusing study on need-to-know material. - Technician Notes highlight key points relating to the role of the veterinary technician. - Coverage of large animal care is integrated throughout the book, including medical records, dentistry, physical examination, surgical instrumentation, surgical assistance, emergency care, and euthanasia, as well as separate Large Animal chapters. - Comprehensive chapters on pharmacology, pain management, restraint, and veterinary oncology provide a broader understanding of the responsibilities of a technician. - Coverage of zoonotics is threaded throughout each chapter, describing how a disease may affect the host, how it is spread, how it is treated, and the necessary safety precautions. - Care of Birds, Reptiles, and Small Mammals chapter describes care and treatment of these increasingly popular pets. - Student workbook reinforces understanding with review questions, case presentations, and clinical applications, as well as photo-based quizzes and other student exercises. Available separately.

aaha aafp pain management guidelines for dogs and cats: BSAVA Manual of Canine and Feline Anaesthesia and Analgesia Tanya Duke-Novakovski, de Vries, Chris Seymour, 2016-07-05 Anaesthesia and analgesia is a constantly advancing field and this new edition has been extensively revised and updated to take account of the latest techniques and considerations. The structure, which has worked so well for the previous editions, has been retained and there are new chapters on pain assessment methods, anaesthesia for MRI and how to manage chronic pain. Full-colour illustrations, tables and charts allow readers to easily visualise techniques, ensuring that this manual will be a must-have for any practice.

aaha aafp pain management guidelines for dogs and cats: *Veterinary Technician's Daily Reference Guide* Candyce M. Jack, Patricia M. Watson, 2014-05-20 *Veterinary Technician's Daily Reference Guide: Canine and Feline, Third Edition* provides a quick reference to all aspects of a technician's daily responsibilities in clinical practice. Retaining the tabular format for easy access, the Third Edition adds more in-depth skill descriptions, allowing the technician to reach an even higher level of care. Coverage ranges from anatomy and preventative care to diagnostic and patient care skills, pain management, anesthesia, and pharmacology. Now fully revised and updated, the book is designed to build on a veterinary technician's current knowledge, acting as a quick refresher in the daily clinic setting. A companion website offers forms and worksheets, training materials, review questions, vocabulary flashcards, links to online resources, and the figures from the book in PowerPoint. The Third Edition is an invaluable practical resource for increasing confidence and improving technical skills for veterinary technicians.

aaha aafp pain management guidelines for dogs and cats: *Textbook of Small Animal Emergency Medicine* Kenneth J. Drobatz, Kate Hopper, Elizabeth A. Rozanski, Deborah C. Silverstein, 2018-12-06 *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 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.

aaha aafp pain management guidelines for dogs and cats: *Veterinary Anesthesia and Analgesia, The 6th Edition of Lumb and Jones* Leigh Lamont, Kurt Grimm, Sheilah Robertson, Lydia Love, Carrie Schroeder, 2024-06-18 VETERINARY ANESTHESIA AND ANALGESIA A thoroughly updated new edition of the foundational reference on veterinary anesthesia and analgesia Veterinary Anesthesia and Analgesia: The Sixth Edition of Lumb and Jones is a fully updated revision to this comprehensive, authoritative reference to all aspects of veterinary anesthesia and pain management. Encompassing both scientific principles and clinical applications, the new edition adds new knowledge, techniques, and discussion of emerging issues throughout. Fourteen new chapters significantly expand the coverage of patient monitoring modalities and nociception and pain, while presenting new information on safety culture, infection prevention and control, biomedical engineering, and point-of-care ultrasound. Logically organized into sections, information on basic principles, pharmacology, specific body systems, and specific species is easy to access. Comparative anesthetic considerations for dogs and cats, horses, ruminants, swine, laboratory animals, free-ranging terrestrial mammals, marine mammals, reptiles, amphibians, fish, and birds are discussed. Chapters are devoted to anesthesia and pain management of common domestic species and patient populations, including updated chapters on local and regional anesthetic and analgesic techniques. A companion website offers video clips of point-of-care ultrasound techniques and pain assessment and scoring. Readers of Veterinary Anesthesia and Analgesia: The Sixth Edition of Lumb and Jones will also find: Significantly expanded coverage of patient monitoring, including new chapters devoted to anesthetic depth and electroencephalography, electrocardiography, blood pressure, ventilation, oxygenation, and anesthetic gas monitoring. More in-depth coverage of respiratory physiology and pathophysiology, with new sections covering oxygen therapy, mechanical ventilation, anesthetic management considerations for bronchoscopy, intrathoracic procedures, including one-lung ventilation, and patients with respiratory disease. Expanded coverage of pain physiology and pathophysiology, recognition and quantification of pain, and clinical pain management, including both pharmacologic and nonpharmacologic modalities. A companion website incorporating video clips and example pain scoring sheets to complement the more than 500 images in the text itself. With its unparalleled multidisciplinary approach, Veterinary Anesthesia and Analgesia is a must-own volume for veterinary anesthesia specialists and researchers; specialists in other disciplines, including both small and large animal surgeons; practitioners; and students.

aaha aafp pain management guidelines for dogs and cats: Clinical Veterinary Dentistry, An Issue of Veterinary Clinics: Small Animal Practice Steven E. Holmstrom, 2013-05-28 Current, important information on clinical veterinary dentistry for all small animal practitioners! This issue will present articles on standards of care, therapeutic decision making, oral and dental imaging equipment and techniques, radiographic imaging, oral inflammation, exodontics, oral and maxillofacial surgery, surgical equipment for oral surgery, laser and electro/radiosurgery in the oral cavity, anesthesia and pain management, and more!

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