

# The Veterinary Clinics Of North America Small Animal Practice Vol 33 Number 3 May 2003 Advances In Medical Oncology

**Therigenology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** [Changing Paradigms in Diagnosis and Treatment of Urolithiasis](#)  
**Effective Communication in Veterinary Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** [Emergency and Critical Care, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book](#) **Small Animal Orthopedic Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** [Small Animal Euthanasia, An Issue of Veterinary Clinics of North America: Small Animal Practice](#) **Effective Communication in Veterinary Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice** [Soft Tissue Surgery, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Small Ruminants, An Issue of Veterinary Clinics of North America: Food Animal Practice](#) [Telemedicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Dermatology, An Issue of Veterinary Clinics of North America: Small Animal Practice](#) [Nutrition, An Issue of Veterinary Clinics of North America: Small Animal Practice, Pain Management, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book](#) **Behavior: A Guide For Practitioners, An Issue of Veterinary Clinics of North America: Small Animal Practice, Food Animal** [Neurology, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book](#) **Respiratory Medicine, An Issue of Veterinary Clinics of North America: Exotic Animal Practice** [Wound Management, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Honey Bee Veterinary Medicine, An Issue of Veterinary Clinics of North America: Food Animal Practice, 37](#) [Toxicology, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book](#) [Field/Ambulatory Medicine, An Issue of Veterinary Clinics of North America: Exotic Animal Practice](#) [Feedlot Production Medicine, An Issue of Veterinary Clinics of North America: Food Animal Practice](#) [Integrative Medicine, An Issue of Veterinary Clinics of North America: Equine Practice, E-Book](#) [Immunology and Vaccination, An Issue of Veterinary Clinics of North America: Small Animal Practice](#) [Clinical Pathology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Honey Bee Veterinary Medicine, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book](#) **Minimally Invasive Fracture Repair, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** [Pediatrics, An Issue of Veterinary Clinics of North America: Small Animal Practice, Advances in Veterinary Neurology, An Issue of Veterinary Clinics of North America: Small Animal Practice, Update on Ruminant Ultrasound, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book](#) **Therapeutics, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book** [Urology, An Issue of Veterinary Clinics of North America: Small Animal Practice](#) **New and Emerging Diseases: An Update, An Issue of Veterinary Clinics of North America: Exotic Animal Practice** [Neurology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Lameness in Cattle, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book](#) [An Issue of Veterinary Clinics of North America: Food Animal Practice](#) [Infection Control, An Issue of Veterinary Clinics of North America: Small Animal Practice, Wellness and Environmental Enrichment, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, Ear, Nose, and Throat Conditions, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book](#) [Soft Tissue Surgery, An Issue of Veterinary Clinics of North America: Small Animal Practice](#) [Disorders of the Oral Cavity, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book](#)

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*Clinical Pathology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Jan 04 2021 In this issue of Veterinary Clinics: Small Animal Practice, guest editors Drs. Maxey L. Wellman and M. Judith Radin bring their considerable expertise to the topic of Clinical Pathology. Evaluation of clinical laboratory data is used daily in the diagnosis and monitoring of veterinary patients, and the field is rapidly expanding as new tests and technologies become available. This issue provides valuable, up-to-date information on current important topics in clinical pathology that are of interest to clinicians, veterinary students, and residents. Contains 16 practice-oriented topics including digital cytology; tick-borne diseases; toxicology case studies; laboratory diagnosis of endocrine diseases; blood transfusions; and more. Provides in-depth clinical reviews on clinical pathology, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

*Integrative Medicine, An Issue of Veterinary Clinics of North America: Equine Practice, E-Book* Mar 06 2021 In this issue of Veterinary Clinics: Equine Practice, guest editor Kevin K. Haussler brings his considerable expertise to the topic of Integrative Medicine. Provides in-depth reviews on the latest updates in Integrative Medicine, providing actionable insights for veterinary practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews.

**Therigenology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** Dec 27 2022 This issue of Veterinary Clinics of North America: Small Animal Practice, edited by Bruce W. Christensen, focuses on Small Animal Therigenology, with topics including: Assisted Reproduction in Male and Female Cats; Population Control in Small Animals; Practitioners considering SA Therio; Evaluation of Canine Sperm and Diagnosis of Semen Disorders; BSE in the Canine Female; Artificial Insemination in Dogs; Estrus Manipulation in Dogs; Endocrine testing in Small Animals; Endocrine Disruptors; Mismating Diagnosis and Protocols; Gestational Aging and Assistant Parturition Date Determination; Small Animal Pyometra; Periparturient Diseases in the Dam; Small Animal Neonatal Health; Herpesvirus; Prostate Disease; and the Future of Biotechnology.

**Soft Tissue Surgery, An Issue of Veterinary Clinics of North America: Small Animal Practice** Sep 19 2019 Drs. Lisa Howe and Harry Booth, Jr have assembled an expert panel of authors on the topics of Soft Tissue Surgery. Articles include: Current concepts in hepatobiliary surgery, Current concepts in portosystemic shunting, Current concepts in oncologic surgery, Current concepts in skin and reconstructive surgery, Medical device facilitation of soft tissue surgery, Considerations in perioperative drug use in the soft tissue surgery patient, and more!

*Therapeutics, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book* Jun 28 2020 This issue of Veterinary Clinics of North America: Exotic Animal Practice focuses on Therapeutics, with topics including: Metabolic scaling and other methods used to extrapolate drug dosages for exotics; Update on antiviral therapies in birds; Multiresistant bacteria in exotic animal medicine: fact or faux?; Emergency drugs and fluid therapy in exotics; Guidelines for treatment of toxicities in exotic animals; Nutraceuticals in exotic animal medicine; Pharmacokinetic/pharmacodynamics modelling of analgesic drugs; Psychoactive drugs in avian medicine; Cardiovascular drugs in avian and small mammal medicine; Gastrointestinal drugs in small mammal medicine; Update on cancer treatment in exotics; Drug delivery methods with emphasis on low stress handling while medicating exotic animal; and Compounding and extra-label use of drugs in exotic animal medicine.

**New and Emerging Diseases: An Update, An Issue of Veterinary Clinics of North America: Exotic Animal Practice** Apr 26 2020 This issue of Veterinary Clinics: Exotic Animal Practice, guest edited by Drs. Sue Chen and Nicole R. Wyre, is an update on New and Emerging Diseases. This is one of three issues each year selected by the series consulting editor, Dr. Jörg Mayer. Articles in this issue include, but are not limited to: emerging zoonotic diseases, emerging diseases in turtles and tortoises, diseases in honeybees, selected emerging diseases in ferrets, update on diseases in chinchillas, update on PDD and bornavirus, selected emerging diseases in squamata, updates on thyroid disease in rabbits and guinea pigs, emerging diseases of avian wildlife, selected emerging diseases in amphibia, and selected emerging diseases in ornamental fish.

*Immunology and Vaccination, An Issue of Veterinary Clinics of North America: Small Animal Practice* Feb 05 2021 This issue of Veterinary Clinics of North America: Small Animal Practice focuses on Immunology and Vaccination, with topics including: Recent Advances In Vaccine Technologies; Immune System's Response to Vaccination; Current Vaccine Strategies for Dogs and Cats; Update on Therapeutic Vaccines; Common and Newly Recognized Autoimmune Diseases; Adverse Response to Vaccination; Vaccines in Shelters and Group Settings; Evidence vs Belief in Vaccine Recommendations; Effects of Aging on the Immune Response; and Use of Antibody Titer to Determine the Need for Vaccination.

*Food Animal Neurology, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book* Oct 13 2021 This issue, edited by Dr. Kevin Washburn, focuses on Food Animal Neurology. Article topics include: Neurological examination of the ruminant; Diagnostics and ancillary tests of neurologic dysfunction in the ruminant; Localization of neurologic lesions in ruminants; Cerebral disorders of calves; Cerebral disorders of the adult ruminant; Cerebellar disorders of ruminants; Brain stem and cranial nerve disorders of ruminants; Spinal cord and peripheral nerve abnormalities of the ruminant; and Toxicoses of the ruminant nervous system.

*Small Ruminants, An Issue of Veterinary Clinics of North America: Food Animal Practice* Apr 19 2022 Guest edited by Dr. Michelle A. Kutzler and Dr. Cynthia Wolf, this issue of Veterinary Clinics: Food Animal Practice will cover several key areas of interest related to Small Ruminants. This issue is one of three selected each year by our series Consulting Editor, Dr. Robert A. Smith. Articles in this issue include but are not limited to: Abdominal imaging in small ruminants-liver, spleen, gastrointestinal tract and

lymph nodes, Imaging of the urinary and reproductive tract in small ruminants, Pain management in small ruminants, Management of urologic conditions in small ruminants, Hematologic conditions of small ruminants, Management of reproductive diseases in male small ruminants, Resuscitation Compression for Newborn Sheep, Estrus synchronization in the sheep and goat, Udder health for dairy goats, Update on lentiviruses in small ruminants, Reindeer veterinary care for small ruminant practitioners, Epizootic hemorrhagic disease (EHD) and CWD in cervids, Secure sheep & wool supply, Animal welfare concerns for small ruminant producers, Hysteroscopic imaging in camelids, and more.

*Update on Ruminant Ultrasound, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book* Jul 30 2020 This issue of Veterinary Clinics of North America: Food Animal Practice focuses on Ruminant Ultrasound. Article topics include: On-farm use of ultrasound for assessment of bovine respiratory disease, Echocardiography for the assessment of congenital heart defects in calves, Ultrasonography of the tympanic bulla and otitis media, Ultrasonography of the central nervous system and ultrasound guided CSF tap, Ultrasonographic examination of the abdomen of calves, Ascites in cattle: ultrasonographic findings and diagnosis, Ultrasonographic doppler use for reproduction management in heifers and cows, Ultrasound use for body condition and carcass quality assessment in cattle and lambs, and more!

*Pain Management, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book* Dec 15 2021 In this issue of Veterinary Clinics: Exotic Animal Practice, guest editor Dr. David Sanchez-Migallon Guzman brings his considerable expertise to the topic of Pain Management. Pain management is an important component of exotic veterinary care, and major advances have been made in this area in recent years. With this issue, readers will learn how to recognize, assess, and treat pain in zoological companion species through clinically oriented and evidence-based articles by top experts in the field. Contains 15 practice-oriented topics including pain recognition in birds; treatment of pain in rats and mice; pain recognition in rabbits; acupuncture in zoological companion animals; zoologic companion animal rehabilitation and physical medicine; and more. Provides in-depth clinical reviews on pain management, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

**Effective Communication in Veterinary Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice** Jun 21 2022 This issue of Veterinary Clinics: Small Animal Practice, guest edited by Drs. Christopher A. Adin and Kelly D. Farnsworth, will cover Effective Communication in Veterinary Medicine. This is one of six issues each year. This issue will provide insights on the most critical and contemporary issues facing veterinary practitioners-from compassion fatigue to the use of social media. The material can be applied by veterinarians both inside and outside the workplace. Articles in this issue include, but are not limited to: Generational Difference in the Team, Intercultural Communication with Clients, Valuing Diversity in the Team, Compassion Fatigue, Suicide Warning Signs and What to Do, Performance Evaluation for Underperforming Employees, Leading and Influencing Culture Change, Veterinary Clinical Ethics and Patient Care Dilemmas, The Mentor-Mentee Relationship, and Communicating Patient Quality and Safety in Your Hospital.

*Infection Control, An Issue of Veterinary Clinics of North America: Small Animal Practice, Dec 23 2019* Drs. Stull and Weese have assembled an expert panel of authors on the topic of Infection Control. Articles include: Hospital-associated infections, Surgical site infections, Surveillance for Hospital-associated infections, Hand hygiene and contact precautions, Patient management, Environmental cleaning and disinfection, Equipment cleaning and disinfection, Antimicrobial Stewardship, Worker safety, Zoonotic disease and infection control and Legal implications of zoonotic disease transmission for veterinary practices.

*Wound Management, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Aug 11 2021 This issue of Veterinary Clinics of North America: Small Animal Practice, with Editor Dr. Marije Risselada, focuses on Wound Management. Article topics include: Initial management of traumatic wounds; Perforating thoracic and abdominal wounds; Systemic and local management of burn wounds; Management of radiation side effects to the skin; Debridement techniques and non-NPWT wound management; Negative Pressure Wound Therapy; Wound closure, tension relieving techniques and local flaps; Axial pattern flaps; Free grafts and microvascular anastomoses.

*Wellness and Environmental Enrichment, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, Nov 21 2019* Dr. Agnes Rupley has assembled an expert team of authors on the topic of Wellness Management of Exotic Animals. The focus of article topics include: Keeping the Exotic Pet Mentally Healthy, Pet Psittacines, Wellness management of Raptors, Wellness management of Backyard Poultry and Waterfowl, Wellness management of Rabbits, Wellness management of Ferrets, Wellness management of Small Mammals, Wellness management of Reptiles and Amphibians, and more!

*Honey Bee Veterinary Medicine, an Issue of Veterinary Clinics of North America: Food Animal Practice, 37* Jul 10 2021 In this issue of Veterinary Clinics: Food Animal Practice, Guest Editor Jeffery R. Applegate brings his considerable expertise to the topic of Honey Bee Veterinary Medicine. Top experts in the field cover key topics such as Apiculture, Diseases of the Honey Bee, Population Medicine, Immunology, Nutrition, and more. Provides in-depth, reviews in Honey Bee Veterinary Medicine, providing actionable insights for veterinary practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 15 relevant, practice-oriented topics including Pesticides and the Impact on Honey Bees; Practical Applications in Honey Bee Genetics; Foreign Pests and Diseases as Potential Threats to North American Apiculture; Honey Bee Welfare and Standards of Humane Euthanasia; and more.

*An Issue of Veterinary Clinics of North America: Food Animal Practice* Jan 24 2020 This issue of Veterinary Clinics: Food Animal Practice, edited by Dr. Pamela Ruegg and Dr. Christina Petersson-Wolfe, focuses on Mastitis, with topics including: Methods for Diagnosing Mastitis; Implementing OFC in a Veterinary Practice; Antibiotic Usage for Mastitis; Implementing Effective Dry Cow; Mastitis and Animal Welfare; Genetic Selection for Mastitis Resistance; Teat Condition and Diseases; Maximizing Udder Health in a Robotic Milking System; Impact and Mitigation of Heat Stress for Mastitis Control; Optimizing Mastitis Records; Mastitis Immunology; and Communicating with Dairy Workers.

**Advances in Veterinary Neurology, An Issue of Veterinary Clinics of North America: Small Animal Practice, Aug 31 2020** This issue highlights the advances in neurological treatments for dogs and cats. Articles include: New Treatment Modalities for Brain Tumors in Dogs and Cats, Altered Mental Status in Dogs and Cats: Stupor and Coma, Steroid Use in Veterinary Neurology, Hereditary Ataxia and Paroxysmal Movement Disorders in Dogs and Cats, Paroxysmal Movement Disorders in Dogs and Cats, Cluster Seizures and Status Epilepticus, Aging in the canine and feline brain, Acute Spinal Cord Injury: Tetraparesis and Paraparesis, Meningoencephalitis of Unknown Etiology, and more!

*Emergency and Critical Care, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book* Sep 24 2022 This issue of Veterinary Clinics of North America: Exotic Animal Practice focuses on Emergency and Critical Care. Articles include: Basic Shock Physiology and Critical Care; Common Emergencies in Pet Birds; Emergency and Critical Care in Pet Birds; Common Emergencies of Small Mammals; Critical Care, Analgesia and Anesthesia of Small Mammals; Toxicologic Emergencies in Exotics; Common Wildlife Emergencies; Arachnid and Insect Emergency Care, Rabbit Physiology and Treatment for Shock? and more!

*Neurology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Mar 26 2020 This issue of Veterinary Clinics of North America: Small Animal Practice on Neurology, edited by Sharon Kerwin and Amanda Taylor, includes: Advances in High field MRI; Acupuncture for neurologic conditions; Head trauma; Pituitary hypophysectomy; Acute non-compressive disc extrusion and hydrated nucleus pulposus extrusion; Discospondylitis; Minimally Invasive Vertebral Column Surgery; Vascular events in the Brain; Fungal infections of the CNS; Feline Seizures; Clinical evaluation of the feline neurologic patient; Intervertebral disc disease, recent advances in therapy; Three-dimensional printing role in neurologic disease; and Diffusion tensor imaging in spinal cord injury.

**Small Animal Orthopedic Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** Aug 23 2022 In this issue of Veterinary Clinics: Small Animal Practice, guest editors Drs. Felix Duerr and Lindsay Elam bring their considerable expertise to the topic of Small Animal Orthopedic Medicine. Mobility and orthopedic challenges are common issues that can negatively impact the quality of life and overall health of small animal companion pets. This issue covers a wide range of topics to help practicing veterinarians identify, assess, treat, and manage orthopedic and mobility issues in pets. Contains 15 relevant, practice-oriented topics including canine mobility maintenance and promotion of a healthy lifestyle; joint injection techniques and indications; platelet-rich plasma as an orthobiologic: physical rehabilitation; and more. Provides in-depth clinical reviews on small animal orthopedic medicine, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

**Ear, Nose, and Throat Conditions, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book** Oct 21 2019 Daniel Smeak has assembled an expert team of authors on the topic of Ear, Nose, and Throat Conditions. Article topics include: Treatment of Recurrent Deep Infection After Total Ear Canal Ablation and Lateral Bulla Osteotomy, Diagnosis and Management of Cholesteatomas in Dogs, Current Treatment Options for Auricular Hematomas, Management of Otic and Nasopharyngeal, and Nasal Polyps in Cats and Dogs; Nose and Nasal Planum Neoplasia Reconstruction, Surgical Approaches to the Nasal Cavity and Sinuses, Reconstruction of Congenital Nose and Cleft Primary Palate and Lip Disorders, and more!

**Dermatology, An Issue of Veterinary Clinics of North America: Small Animal Practice** Feb 17 2022 This issue of Veterinary Clinics: Small Animal Practice, edited by Dr. Christine Cain, focuses on advances in Small Animal Dermatology. Article topics include: Allergen specific immunotherapy; New therapies for atopic dermatitis; Panniculitis; Canine cutaneous lupus erythematosus; Canine eosinophilic (Well's-like) and sterile neutrophilic (Sweet's) dermatoses; Perianal dermatoses; Cutaneous lymphoma in dogs and cats; Assessing quality of life for pets with dermatologic disease and their owners; Treatment of demodicosis; Feline pemphigus foliaceus; and Acral lick dermatitis.

*Field/Ambulatory Medicine, An Issue of Veterinary Clinics of North America: Exotic Animal Practice* May 08 2021 This issue of Veterinary Clinics of North America: Exotic Animal Practice focuses on Field/Ambulatory Medicine, with topics including: The Ambulatory Exotic Animal Practice; Incorporating Ambulatory Medicine into a Brick and Mortar Practice; The Veterinary Technician in Ambulatory Exotic Animal Medicine; Aquatic Ambulatory Practice; Reptile and Amphibian Ambulatory Practice; Avian Ambulatory Practice; Exotic Companion Animal Ambulatory Practice, including PBP and Llamas; The Ambulatory Zoo Animal Ambulatory Practice; Ambulatory Emergency Medicine; Ambulatory Surgery; USDA Regulated Facility Inspection; Legal issues in the Exotics Practice; and Sample collection for the Mobile Exotics

Practitioner.

*Feedlot Production Medicine, An Issue of Veterinary Clinics of North America: Food Animal Practice* Apr 07 2021 As a Follow-up to their Arrival Cattle Management issue, Drs. Brad White and Daniel Thomson explore Feedlot Production Medicine in this issue. Articles feature an expert panel of authors on topics such as: Epidemiology for feedlots, Outbreak investigation, Sick animal identification, Necropsy & Euthanasia, BVD management in feedlot, Reference Intervals in Avian and Exotic Hematology, and more!

*Toxicology, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book* Jun 09 2021 This issue of Veterinary Clinics: Food Animal Practice, guest edited by Dr. Steve Ensley and Dr. Tim Evans, focuses on Toxicology. Topics include: Hepatotoxic Plants that Poison Livestock; Plant-induced photosensitivity and dermatitis in livestock; Plant-induced reproductive disease, abortion and teratology in livestock; Myotoxic and cardiovascular toxic plants; Toxic plants that damage the gastrointestinal and urinary systems and miscellaneous toxic plants; Diagnostic guidelines for ruminant toxicosis; The use of blood/liver analysis to evaluate trace mineral status in ruminant livestock; Water quality for cattle; Biofuels coproducts tolerance and toxicology for ruminants; Ruminant mycotoxicosis; Commercial and industrial chemical hazards for ruminants; Safety of antibiotic drugs in food animals: comparison of findings from preapproval studies and postapproval experience in the United States with safety information in published literature; Treatment of animal toxicosis: a regulatory perspective, Selenium toxicosis; Sulfur toxicosis; Lichen toxicosis caused by Xanthoparmelia; Fescue/ergot toxicosis in ruminants; and Cu toxicosis in small ruminants and camelids.

*Changing Paradigms in Diagnosis and Treatment of Urolithiasis* Nov 26 2022 This issue contains cutting edge information on the diagnosis and treatment of urolithiasis in small animals. Topics will include idiopathic lower urinary tract disease, compound uroliths, drug-induced uroliths, uroliths in exotic animals, diagnosis of inherited defects, dietary management of urolith risk, treatment of uroliths by lithotripsy, and much more.

*Soft Tissue Surgery, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* May 20 2022 In this issue of Veterinary Clinics: Small Animal Practice, guest editor Dr. Nicole J. Buote brings her considerable expertise to the topic of Soft Tissue Surgery. Many of the common illnesses and injuries occurring in cats and dogs are in a soft tissue organ. In this issue, top experts in the field provide comprehensive coverage of many of the key surgeries a practicing veterinarian might be expected to perform. Contains 13 relevant, practice-oriented topics including updates in upper respiratory surgery; updates in hepatobiliary surgery: new data on PSS and cholecystectomy; concepts in sterilization; current concepts in gastrointestinal surgery; updates in laparoscopy; and more. Provides in-depth clinical reviews on small animal soft tissue surgery, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

*Behavior: A Guide For Practitioners, An Issue of Veterinary Clinics of North America: Small Animal Practice*, Nov 14 2021 This issue acts as a guide to behavior in dogs and cats for practitioners. Topics include: genetics and behavior of cats and dogs, the effects of stress on small animal health and behavior, canine aggression towards family members or visitors, common sense small animal behaviour modification, small animal behavior triage, abnormal repetitive behaviors, feline aggression towards family members, cat fights, and more.

*Respiratory Medicine, An Issue of Veterinary Clinics of North America: Exotic Animal Practice* Sep 12 2021 This issue of Veterinary Clinics: Exotic Animal Practice, guest edited by Dr. Vladimír Jekl, is dedicated to Respiratory Medicine. This issue is one of three selected each year by the series consulting editor, Dr. Jörg Mayer. Topics discussed in this issue include—but are not limited to—Respiratory Tract Disorders in Fishes, Computed tomography and MRI of the respiratory tract of the reptile and avian patient, Snake Pulmonology, Respiratory disorders in chelonians, Respiratory Diseases in Parrots, Respiratory disorders in Back-yard Poultry, Respiratory Disorders in Guinea pigs, Chinchillas and Degus, Respiratory Disorders in Rabbits, Diagnostics of infectious respiratory pathogens in reptiles, and Respiratory Disorders in Ferrets.

*Lameness in Cattle, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book* Feb 23 2020 This issue, edited by Dr. Jan Shearer, focuses on Lameness in Cattle. Article topics include: Economic Impact of Lameness in Cattle; Pathogenesis of Sole Ulcers and White Line Disease; Current Concepts on the Pathogenesis and Treatment of Digital Dermatitis; Pathogenesis and Treatment of Foot rot; A Brief Review of Effective Footbath Compounds, Design and Management; Pathogenesis and Treatment of Toe Lesions in Cattle (including Non-Healing Toe Lesions); A Comparison of Foot Trimming Methods for Use in Cattle; Pathogenesis and Management of Corkscrew Claw in Cattle; Diagnosis and Prognosis of Common Disorders Involving the Proximal Limb; Scoring Locomotion and Mobility in Cattle (to include Fatigue Cattle Syndrome); The Relationship of Cow Comfort and Flooring to Lameness Disorders in Dairy Cattle; Treatment Options for Lameness Disorders in Organic Dairies; Welfare Implications of Lameness in Dairy Cattle; Pain Management for Lameness Disorders in Cattle, and Training On-Farm Employees in Foot Care.

*Nutrition, An Issue of Veterinary Clinics of North America: Small Animal Practice*, Jan 16 2022 Nutrition, An Issue of Veterinary Clinics of North America: Small Animal Practice,

*Honey Bee Veterinary Medicine, An Issue of Veterinary Clinics of North America: Food Animal Practice , E-Book* Dec 03 2020 In this issue of Veterinary Clinics: Food Animal Practice, Guest Editor Jeffery R. Applegate brings his considerable expertise to the topic of Honey Bee Veterinary Medicine. Top experts in the field cover key topics such as Apiculture, Diseases of the Honey Bee, Population Medicine, Immunology, Nutrition, and more. Provides in-depth, reviews in Honey Bee Veterinary Medicine, providing actionable insights for veterinary practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field; Authors synthesize and distill the latest research and practice guidelines to create these timely topic-based reviews. Contains 15 relevant, practice-oriented topics including Pesticides and the Impact on Honey Bees; Practical Applications in Honey Bee Genetics; Foreign Pests and Diseases as Potential Threats to North American Apiculture; Honey Bee Welfare and Standards of Humane Euthanasia; and more.

*Effective Communication in Veterinary Medicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Oct 25 2022 This issue of Veterinary Clinics: Small Animal Practice, guest edited by Drs. Christopher A. Adin and Kelly D. Farnsworth, will cover Effective Communication in Veterinary Medicine. This is one of six issues each year. This issue will provide insights on the most critical and contemporary issues facing veterinary practitioners—from compassion fatigue to the use of social media. The material can be applied by veterinarians both inside and outside the workplace. Articles in this issue include, but are not limited to: Generational Difference in the Team, Intercultural Communication with Clients, Valuing Diversity in the Team, Compassion Fatigue, Suicide Warning Signs and What to Do, Performance Evaluation for Underperforming Employees, Leading and Influencing Culture Change, Veterinary Clinical Ethics and Patient Care Dilemmas, The Mentor-Mentee Relationship, and Communicating Patient Quality and Safety in Your Hospital.

*Minimally Invasive Fracture Repair, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Nov 02 2020 This issue of Veterinary Clinics: Small Animal Practice, guest edited by Drs. Karl Maritato and Matthew Barnhart, focuses on Minimally Invasive Fracture Repair. Articles in this issue include, but are not limited to: Biomechanics of Fracture Fixation; Challenges in Minimally Invasive Fracture Repair; Minimally Invasive Osteosynthesis Fracture Reduction Techniques; Percutaneous Pinning for Fracture Repair; Minimally Invasive Plate Osteosynthesis Techniques for the Humerus; Minimally Invasive Plate Osteosynthesis Techniques for the Radius and Ulna; Minimally Invasive Osteosynthesis (MIO) Techniques of the Femur; Minimally Invasive Osteosynthesis Techniques for Articular Fractures; Unique Differences of Minimally Invasive Fracture Repair in the Feline; Perioperative Imaging in Minimally Invasive Osteosynthesis; Interlocking Nails for Minimally Invasive Osteosynthesis; Minimally Invasive Plate Osteosynthesis Techniques for Tibia and Fibula; Minimally Invasive Plate Osteosynthesis Techniques for Meta-bones; Minimally Invasive Osteosynthesis Techniques for Sacroiliac Luxation; and Minimally Invasive Plate Osteosynthesis Techniques for Arthrodesis.

*Pediatrics, An Issue of Veterinary Clinics of North America: Small Animal Practice*, Oct 01 2020 This issue focuses on pediatric disorders in dogs and cats. Topics will include: clinical pathology of dogs and cats, pediatric neutering, pediatric immunization, nutrition, seizure disorders, canine pediatric dentistry, pediatric feline upper respiratory disease, neonatal fading syndrome, holistic pediatric medicine, management of the cleft palate, and urinary ectopia.

*Small Animal Euthanasia, An Issue of Veterinary Clinics of North America: Small Animal Practice* Jul 22 2022 This issue of Veterinary Clinics: Small Animal Practice, guest edited by Drs. Beth Marchitelli and Tami Shearer, focuses on Small Animal Euthanasia: Updates on Clinical Practice. This is one of six issues each year. Articles in this issue include, but are not limited to: historical perspective of euthanasia in veterinary medicine, the science of transitional states of consciousness and euthanasia, the physiology of death, pharmacological methods: an update on optimal pre-sedation and euthanasia solution administration, common and alternative routes of euthanasia solution administration, standardization of data collection to document adverse events associated with euthanasia, factors contributing to the decision to euthanize: diagnoses, clinical signs and triggers, euthanasia decision making: a collaboration between pet owners and veterinary professionals, euthanasia from the veterinary client's perspective: psychosocial contributors to euthanasia decision-making, and communication and euthanasia- beyond open ended questions

*Disorders of the Oral Cavity, An Issue of Veterinary Clinics of North America: Exotic Animal Practice, E-Book* Aug 19 2019 This issue of Veterinary Clinics of North America: Exotic Animal Practice focuses on Disorders of the Oral Cavity. Articles include: Anatomy and Disorders of the Oral Cavity of Pet Fishes; Anatomy and Disorders of the Oral Cavity of Reptiles and Amphibians; Anatomy and Disorders of the Beak and Oral Cavity of Birds; Anatomy and Disorders of the Oral Cavity of Pet Rabbits; Diagnostic Imaging of Dental Disease of Pet Rabbits; Surgical Treatment of Facial Abscesses in Pet Rabbits; Anatomy and Disorders of the Oral Cavity of Guinea Pigs; Anatomy and Disorders of the Oral Cavity of Chinchillas; Anatomy and Disorders of the Oral Cavity of Rat-like and Squirrel-like Rodents; and more!

*Telemedicine, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book* Mar 18 2022 In this issue of Veterinary Clinics: Small Animal Practice, guest editor Dr. Aaron Smiley brings his considerable expertise to the topic of Telemedicine. Given the sudden and surprising challenges brought forth by the COVID-19 pandemic, it is more important than ever for practicing veterinarians to be up to date on the current best practices surrounding telehealth and small animal care. In this issue, top experts in the field explore the many nuances of implementing telehealth in veterinary practice, providing readers with the latest best practices in several key areas. Contains 11 practice-oriented topics including wearables, feline arthritis, oncology, anesthesia, technology, hospice, and more. Provides in-depth clinical reviews on telemedicine, offering actionable insights for clinical practice. Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews.

*Urology, An Issue of Veterinary Clinics of North America: Small Animal Practice* May 28 2020 This issue of Veterinary Clinics: Small Animal Practice, edited by Dr. Mary

Anna Labato and Dr. Mark J. Acierno, focuses on current topics in Urology. Articles include: Urinary incontinence; Inappropriate urinations; Upper tract urolithiasis; Nutritional management of urolithiasis; Feline Idiopathic Cystitis (FIC); Urinary Tract Infection (UTI); Stem cell therapy; Importance of urinalysis; Urinary tract cytology; DI of the urinary tract; Interventional therapies of the urinary tract; Urologic oncology; and Nutraceuticals for urine tract use.

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