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Mule and Donkey Medicine Elsevier Health Sciences

This issue, Guest Edited by Dr. Terry Campbell, focuses on Hematology in Exotic Animals. The comprehensive list of topics includes: Hematology of the Domestic Ferret (*Mustela putorius furo*), Hematological Assessment in Pet Rabbits: Blood Sample Collection and Blood Cell Identification, Hematological Assessment in Pet Guinea Pigs (*Cavia porcellus*): Blood Sample Collection and Blood Cell Identification, Hematology of Camelids, Avian Hematology, Fish Hematology and Associated Disorders, and more!

Clinical Procedures in Veterinary Nursing E-Book John Wiley & Sons

An illustrated guide to the morphology of blood cells, Atlas of Canine and Feline Peripheral Blood Smears covers patient assessment for common hematologic disorders and diseases in dogs and cats. Over 1,000 full-color photomicrographs depict abnormalities within each blood cell line, with multiple pictures of each morphologic abnormality and variations in their appearance. Written by pathology experts Amy Valenciano, Rick Cowell, Theresa Rizzi, and Ronald Tyler, this concise reference will enhance your skills as you interpret blood smears and recognize hematological cellular response to inflammation, infection, and toxicity. "Everything you might encounter looking at dog or cat blood smears is right there, clearly classified and noted

(more than 1000 pictures!). Pitfalls and artefacts are clearly explained. The format (spiral binding) makes it the obvious accessory for your microscope. A good investment." Reviewed by: Vet's Today Date: July 2014 Over 1,000 photomicrographs facilitate microscopic analysis and interpretation of the cellular components of the blood. Full-color, high-resolution images facilitate identification of different blood cell types, numbers, anomalies and conditions. Multiple representations of morphologic abnormalities aid in recognition of conditions where variations in appearance commonly occur. Practical information includes an overview of laboratory methods, equipment and supplies, sample collection, staining and handling, and diagnostic interpretation of blood smears. Coverage of 125 topics ranges from the morphology of erythrocytes to chronic myeloid leukemia. Spiral binding allows the book to lay open next to the microscope, making it a quick and easy reference while on the job.

Veterinary Hematology Elsevier Health Sciences
Canine and Feline Cytopathology: A Color Atlas and Interpretation Guide, 4th Edition provides a comprehensive overview of diagnostic cytopathology for companion animals, covering all body systems and fluids. Rapidly resolve diagnostic challenges with this guide to specimen collection and evaluation, featuring more than 2,400 photomicrographs that show cytology of normal structures to contrast and support identification of cytopathology of inflammatory, hyperplastic, and neoplastic lesions. Enhancements to this edition include hundreds of new images with crisper quality and truer colors; new chapters on the pancreas and ear; updated, contemporaneously referenced information for all chapters; expanded listing for neoplastic and infectious disease testing, quality assurance, and reporting; and

access to a fully searchable enhanced eBook with new print purchase. Written by seasoned veterinary cytopathologists and award-winning educators Rose Raskin, Denny Meyer, and Katie Boes, with contributions from 20 international experts, this reference offers clear, practical guidelines to sampling procedures, slide preparation, and interpretation leading to diagnoses and/or classification of the cytopathologic findings. Anticipate the expected and expect the unexpected with this atlas, which vividly illustrates the expected cytologic elements associated with the organ system and provides abundant examples of unexpected cytopathologic findings. Comprehensive coverage of all body systems and body fluids emphasizes the application of aspirate biopsy cytopathology for greatest diagnostic impact. Exceptional-quality, full-color photomicrographs include detailed figure legends. Helpful hints for improving specimen quality are provided in discussions of common errors and problems, resulting in more diagnostically effective, cost-effective use of cytopathology. Discussions of clinical findings, differential diagnostic considerations, and the rationale are included for the final cytopathological diagnosis. Additional photomicrographs in organ system chapters demonstrate the histological or histopathologic corollary of cytopathologic findings. Easy-to-use, well-organized format includes many tables, algorithms, boxes, and Key Point callouts for at-a-glance reference. Clear, concise descriptions include sampling techniques, slide preparation and examination, and guidelines for interpretation, leading to accurate in-house and commercial laboratory diagnosis. Extensively revised organ system-based chapters include focused contemporary references. NEW! 700 crisp, all-new images more closely match the colors representative of the

actual microscopic view. NEW! Expanded content combines coverage of the exocrine and endocrine pancreas and adds a new emphasis on the ear, specifically otic sample collection and cytopathology. NEW! All-new appendices provide quick reference to infectious agents, immunocytochemistry, reporting, molecular and immunologic testing, quality assurance, and more. NEW! Enhanced eBook is included with each new print purchase, providing access to a fully searchable text online – available on a variety of devices.

***Veterinary Hematology* Elsevier Health Sciences**

With hundreds of images, step-by-step procedures, and a practical clinical emphasis, *Small Animal Internal Medicine, 6th Edition* offers the foundation and tools you need to properly recognize, diagnose, and treat small animals with common internal conditions. Each section of the text takes a problem-oriented approach that begins with a discussion of clinical signs, diagnostic recommendations, and techniques; and then moves to therapeutic considerations and management. This edition also includes two all-new chapters (neonatology and the effects of specific heart diseases respectively) as well as extensive updates throughout covering new advancements, techniques, and evolving best practices in the field of small animal internal medicine. NEW! Two new chapters detail two key emerging areas within small animal medicine: neonatology and the effects of specific heart diseases. NEW! Extensive updates throughout the text keep you informed of changes and evolutions in the field, specifically in the areas of: ultrasound; probiotics; obesity; feline radiation therapy; feline diabetes; feline hyperthyroidism; canine influenza; canine Cushing's disease; orphan puppy and kitten considerations; seizure treatments; spinal cord disorders; hematology and oncology; plus new diseases, diagnostics, and therapeutics that affect small animal medicine overall.

Schalm's *Veterinary Hematology* Elsevier Health Sciences

Blackwell's Five-Minute Veterinary Consult: Laboratory Tests and Diagnostic Procedures: Canine and Feline is a comprehensive, one-stop reference text on diagnostic skills used daily in treating dogs and cats. Chapters cover more than 275 procedures and tests, including blood, urine, and fecal tests and radiographic, ultrasound, and

endoscopic procedures. Each topic, written by an expert in the field, provides essential information on related physiology, indications, contraindications, potential complications, and client education. The uniform presentation of information, arranged alphabetically from abdominal radiographs to zinc tests, allows the reader to gain easy access to vital information, making this an ideal reference to be used in a clinical setting.

***Hematology, An Issue of Veterinary Clinics: Small Animal Practice - E-Book* Elsevier Health Sciences**

Small Animal Critical Care Medicine is a comprehensive, concise guide to critical care, encompassing not only triage and stabilization, but also the entire course of care during the acute medical crisis and high-risk period. This clinically oriented manual assists practitioners in providing the highest standard of care for ICU patients. More than 150 recognized experts offer in-depth, authoritative guidance on clinical situations from a variety of perspectives. Consistent, user-friendly format ensures immediate access to essential information. Organ-system, problem-based approach incorporates only clinically relevant details. Features state-of-the-art invasive and non-invasive diagnostic and monitoring procedures, as well as an extensive section on pharmacology. Appendices provide conversion tables, continuous rate infusion determinations, reference ranges, and more.

***Veterinary Clinical Pathology* John Wiley & Sons**

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

Principles and Practice of Veterinary Technology E-Book Elsevier Health Sciences

Dr. Amy MacNeil has assembled an expert team on *Small Animal Cytology*. Topics include: Preparation of Cytology Samples - Tricks of the Trade; Pigments - The Importance of Iron; Bone Marrow Aspirate Evaluation; Lymphoid Tissues - Correlations Between Morphology and Flow Cytometry; Ear, Eyes, Nose and Throat - Cytology of the Head and Neck;

Cancers of the Skin and Subcutaneous Tissues; Key Considerations for Synovial Fluid Analysis; Fluid Analysis; and more!

***Malaria Microscopy Quality Assurance Manual* Elsevier Health Sciences**

In this issue of *Veterinary Clinics: Small Animal Practice*, guest editor Dr. Linda Kidd brings her considerable expertise to the topic of Vector-Borne Diseases. To protect companion animal and human health, it is important for veterinary practitioners to have an accurate and current understanding of the geographic distribution, pathophysiology, diagnosis, treatment, and prevention of vector-borne disease, and many recent studies document important changes in all of these factors. In this issue, experts in the field summarize this information in a succinct, clinically relevant way to help practitioners recognize and prevent these important diseases. Contains 11 practice-oriented topics including the changing prevalence of ticks and tick-borne disease in the United States; prevention of flea and tick infestations and the diseases they transmit; Bartonellosis in dogs and cats; emerging spotted fever rickettsioses in the United States; and more. Provides in-depth clinical reviews on vector-borne diseases, 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.

***Monitoring and Intervention for the Critically Ill Small Animal* John Wiley & Sons**

Now in its third edition, *Veterinary Hematology: Atlas of Common Domestic and Non-Domestic Species* continues to offer veterinarians and veterinary technicians an essential guide to veterinary hematology. Comprehensive in scope, the atlas presents the fundamentals of both normal and abnormal blood cell morphologies, with coverage of a wide range of species, including dogs, cats, horses, ruminants, llamas, rats, mice, nonhuman primates, ferrets, rabbits, guinea pigs, birds, amphibians, and reptiles. Designed as a useful and accessible guide, the updated third edition presents more than 300 color images and includes a new chapter that describes the best techniques for using hematology instruments. The authors—noted experts on the topic—clearly show how to identify and interpret the hematological changes that may occur

in a variety of species. In addition, a companion website offers a wealth of additional hematological images. This vital atlas: Provides an updated edition of the popular veterinary hematology atlas for veterinarians, veterinary students, and veterinary technicians Contains a new instructive chapter on hematology instrumentation Presents hundreds of high-quality color photographs that help in identification Covers a range of species from dogs and cats to birds and reptiles Features a companion website that provides a wealth of hematological images Written for both novice and experienced veterinarians, *Veterinary Hematology* provides a complete resource to blood morphologic abnormalities in domestic and non-domestic species.

Veterinary Hematology - E-Book Elsevier Health Sciences

Now in full color, *Principles and Practice of Veterinary Technology* provides comprehensive coverage of the competencies every vet tech needs to know. Illustrated, step-by-step instructions emphasize the technician's role and responsibilities in each procedure, and dozens of new summary tables and boxes make it easy to find key information. Written by experienced vet tech educator Margi Sirois, this edition offers excellent preparation for clinical practice and for veterinary technician credentialing examinations. Comprehensive coverage includes the entire scope of competencies reflecting today's veterinary technology practice. 82 illustrated, step-by-step procedures include instructions for all AVMA-required psychomotor techniques. Clinical discussions of the technician's role are emphasized in every procedure. Expert authors are qualified vet tech educators who understand your needs and write in a clear, concise style. New Physical Therapy, Rehabilitation, and Complementary Medicine chapter helps you integrate physical rehabilitation, acupuncture, and herbal remedies into practice. Expanded coverage of exotics includes handling, restraint, and examination procedures for birds, reptiles, amphibians, and wildlife. Over 900 full-color photos and illustrations accurately depict specific disorders, diseases, and procedures, making these easier to learn. More tables and boxes summarize key information, to simplify the learning of complex material.

Health and Disease in Free-Ranging and Captive Wildlife
Elsevier Health Sciences

Ideal for use in the clinic and in the field, *Equine Emergencies: Treatment and Procedures*, 4th Edition, offers practical step-by-step guidelines for effectively managing a wide range of emergency situations. Thoroughly updated content keeps you informed of the latest advances in horse care in a portable, convenient format. Essential examination, diagnostic, and treatment information for each body system is presented in a logical format so you can quickly find answers during equine

emergencies. What to Do and What Not to Do boxes guide you through the step-by-step treatment of an emergency and draw your attention to important steps to take and those to avoid. High-quality photographs and illustrations visually clarify key concepts and guide you through procedures step by step. NEW! Chapter covering bacterial and viral diseases arms you with critical information on diagnostic labs, collection, submission, and interpretation. NEW! Chapter on emergency diagnostic procedures keeps you up-to-date on all the tests needed to determine the most effective treatment. NEW! Chapter on gene testing provides information on which gene tests and labs should be performed. NEW! Chapter on biopsy techniques highlights the different instruments available, endoscopic and laparoscopic techniques, as well as how to perform a pleuritis examination. NEW! Chapter on laboratory submission offers the latest information on tests, laboratory charts, guidelines for making an appropriate submission, and blood drawing. NEW! Chapters on feeding and starvation and flood injury supply the latest guidelines for nutrition, disaster medicine, and snake bites/envenomation.

Atlas of Canine and Feline Peripheral Blood Smears - E-Book Elsevier Health Sciences

Focus on the "how" and "why" of medical/surgical conditions — the critical issues that lead to successful outcomes for your patients — with *Veterinary Surgery: Small Animal*, Second Edition. This two-volume full-color resource offers an authoritative, comprehensive review of disease processes, a thorough evaluation of basic clinical science information, and in-depth discussion of advanced surgeries. With an updated Expert Consult website you can access anytime and detailed coverage of surgical procedures, it is the definitive reference for surgical specialists, practicing veterinarians, and residents. Expert Consult website offers access to the entire text online, plus references linked to original abstracts on PubMed.

Comprehensive coverage includes surgical biology, surgical methods and perioperative care, neurosurgery, and orthopedics in Volume One, and all soft tissue surgery organized by body system in Volume Two. Extensive references to published studies available on Expert Consult show the factual basis for the material. Strong blend of clinical and basic science information facilitates a clear understanding of clinical issues surrounding operative situations. Highly recognized

contributing authors create chapters from their own experience and knowledge base, providing the most authoritative, current information available. Coverage of anatomy, physiology, and pathophysiology in chapters on specific organs includes information critical to operative procedures and patient management. In-depth chapters on anesthesia, surgical oncology, tumors of the spine, and musculoskeletal neoplasia provide valuable resources for practicing surgeons, especially in the area of cancer treatment. Preoperative considerations and surgical implications for surgical procedures help surgeons make decisions about treatment approaches. NEW and UPDATED! Expert Consult website with print text plus complete online access to the book's contents, so you can use it anytime — anywhere. EXPANDED! Coverage of interventional radiology techniques in Volume Two (soft tissue volume) to provide cutting-edge information on contemporary imaging modalities that gain access to different structures of the patient's body for diagnostic and therapeutic reasons. NEW and UPDATED! Expanded coverage of coaptation devices and small animal prosthetics clearly explains how they are used in a variety of clinical situations. EXPANDED! Principles of minimally invasive plate treatment added to Volume One (orthopedic volume) to show how these advancements maximize healing and protect the patient while meeting the surgeon's goals in using fracture fixation.

Small Animal Critical Care Medicine - E-Book John Wiley & Sons

Long-trusted in the field, Cowell & Tyler's *Diagnostic Cytology and Hematology of the Dog and Cat*, 5th Edition is the complete resource for helping you learn the necessary skills to diagnosis and treat dogs and cats. This essential clinical reference includes detailed illustrations to help you quickly and accurately build a treatment plan for hundreds of medical diagnoses. Microscopic evaluation techniques and interpretation guidelines for organ tissue, blood, and other body fluid specimens provide a basic understanding of sample collection and specimen preparation. In addition, algorithms are generously distributed throughout the text, helping you evaluate various cytologic preparations. Written by a team of experts, this fifth edition includes over 150 new, high-resolution photomicrographs and histopathology images, and a new chapter covering the Female Reproductive Tract. Additionally,

an Expert Consult website features the entire text plus an electronic atlas with more than 1,000 full-color photomicrographs depicting abnormalities within each blood cell line! UPDATED! Revised chapters throughout the text give you the most complete and up-to-date coverage of recently recognized conditions, new terminology, and new procedures. Coverage of the basics of specimen collection, preparation, microscopic evaluation, and interpretation for organ tissues, blood, and other body fluids saves you time by having comprehensive information in one all-inclusive resource. Detailed instructions for submission and transport of samples as well as culture and commercial laboratory interpretation guide you through in-house laboratory evaluation. User-friendly, easy-to-follow algorithms and tables facilitate quick access to necessary information and guide you to the most accurate cytologic diagnosis. Over 1,300 vivid, high-resolution images let users zoom in to help identify normal vs. abnormal cells, enabling you to make accurate diagnoses. Contributions from nearly 50 academic and diagnostic laboratory experts provide you with the best and most current information available. NEW and UNIQUE! Expert Consult website has entire text plus an electronic atlas including the Zoomify feature which allows you to zoom in and out of more than 1,000 full-color photomicrographs depicting abnormalities within each blood cell line. NEW! Female Reproductive Tract chapter provides updated coverage of vaginal cytology and includes all-new information on uterine and ovarian aspirates. NEW! More than 150 high-resolution photomicrographs and histopathology images help you identify normal vs. abnormal cells, tissues, and lesions. NEW! Enhanced section on urinalysis with all-new images helps you to identify various types of crystals in urine sediment.

Equine Emergencies E-Book John Wiley & Sons

An important guide to assessing and managing the environment from a landscape perspective Ecological relationships are nested within the landscape. Identifying the relevant spatial and temporal scales is critical for an effective understanding of ecological functions that human societies depend upon.

Moreover, human encroachment into natural areas, or changes in climate, can alter spatial relationships, which in turn can negatively affect vital plant and wildlife patterns—and weaken economic structures needed to sustain human societies. This

book is the first to combine multiple disciplines into one cohesive strategy to study these crucial connections, and looks toward building a social paradigm that embraces the dynamics of ecological systems. This book: Integrates landscape ecology, environmental risk assessment, valuation of ecological goods and services, and environmental management decision processes into one single source Includes chapters on quantitative measures, Bayesian modeling, economic analysis, and sustainable landscapes Covers marine, forest, agricultural, and pharmaceutical risk assessment Has a chapter on predicting climate change risk to ecosystems Has a companion ftp site with color graphics, animations, and risk assessment tools With material that is accessible across all knowledge levels, Environmental Risk Assessment and Management from a Landscape Perspective moves beyond looking solely at chemical contaminants to diagnose environmental threats, and aims to accomplish practical risk assessment in a manner that supports long-term sustainable management.

Veterinary Surgery: Small Animal Expert Consult - E-BOOK Elsevier Health Sciences

Early diagnosis and prompt, effective treatment is the basis for the management of malaria and key to reducing malaria mortality and morbidity. An acceptable microscopy service is one that is cost-effective, provides results that are consistently accurate and timely enough to have a direct impact on treatment. This requires a comprehensive and active quality assurance (QA) program. This manual outlines a hierarchical structure based on retraining, validation and the development of competency standards designed to ensure the quality of diagnosis necessary for a successful malaria program, while remaining within the financial and personnel resources likely to be available. The mode of implementation of the QA system outlined in this manual will vary according to the organization of the national laboratory services dealing with malaria, which may fall under the national malaria control program, or under a separate laboratory structure working closely with the malaria program.

Vector-Borne Diseases, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book Elsevier Health Sciences

Now in full color with hundreds of new images, Laboratory Procedures for Veterinary Technicians, 6th Edition covers the broad spectrum of laboratory procedures that veterinary technicians need to perform effectively in the practice setting. Comprehensive content presents the fundamentals of microbiology, hematology, urinalysis, immunology, and cytology, along with the laboratory procedures used to perform

the most widely used tests such as complete blood count, urinalysis, and immunologic assays. This edition includes newly organized chapters with expanded coverage of essential material to prepare you for real-life laboratory work. "Everything you would expect from an in-house lab is listed here." Reviewed by Fabienne Dethioux on behalf of Vet Nurses Today, March 2015 Comprehensive coverage gives you a solid foundation in the fundamentals of microbiology, hematology, urinalysis, immunology, and cytology, along with the laboratory procedures used to perform related tests. Step-by-step procedure boxes offer quick access to the skills you must perform during your educational program, as well as procedures that are commonly performed by vet techs in private practice. Provides the latest information needed to successfully perform a broad spectrum of laboratory tests, including complete blood count, urinalysis, and immunologic assays. Completely updated content throughout reflects the latest advances in veterinary clinical laboratory procedures for improved patient service and higher practice revenue. A comprehensive glossary of terms at the end of the text offers accurate, concise definitions and phonetic pronunciation guides. NEW! Streamlined chapters are shorter and easier to digest with expanded coverage of essential material to prepare you for real-life laboratory work. NEW! Full-color photos bring concepts to life, sequentially arranged to illustrate step-by-step procedures for all commonly performed diagnostic tests in the clinical laboratory. NEW! Companion Lab Manual (sold separately) includes multiple-choice questions, fill-in-the-blank exercises, photo quizzes, labeling exercises, crossword puzzles, and other activities to help you master and apply key concepts and procedures in clinical situations. NEW! Special emphasis on the significance of abnormal results of key lab tests, zoonoses, and hematology. NEW! Vet Tech Threads provide you with introductions, suggested readings, boxed technician notes, learning objectives, chapter outlines, key terms, and a glossary for easy navigation through chapters and more focused learning. Equine Emergencies Frontiers Media SA

The only book of its kind with in-depth coverage of the most common exotic species presented in practice, this comprehensive guide prepares you to treat invertebrates, fish, amphibians and reptiles, birds, marsupials, North American wildlife, and small mammals such as ferrets, rabbits, and rodents. Organized by species, each chapter features vivid color

images that demonstrate the unique anatomic, medical, and surgical features of each species. This essential reference also provides a comprehensive overview of biology, husbandry, preventive medicine, common disease presentations, zoonoses, and much more. Other key topics include common health and nutritional issues as well as restraint techniques, lab values, drug dosages, and special equipment needed to treat exotics. Brings cutting-edge information on all exotic species together in one convenient resource. Offers essential strategies for preparing your staff to properly handle and treat exotic patients. Features an entire chapter on equipping your practice to accommodate exotic species, including the necessary equipment for housing, diagnostics, pathology, surgery, and therapeutics. Provides life-saving information on CPR, drugs, and supportive care for exotic animals in distress. Discusses wildlife rehabilitation, with valuable information on laws and regulations, establishing licensure, orphan care, and emergency care. Includes an entire chapter devoted to the emergency management of North American wildlife. Offers expert guidance on treating exotics for practitioners who may not be experienced in exotic pet care.

Small Animal Clinical Diagnosis by Laboratory Methods - E-Book
Elsevier Health Sciences

AAEVT's Equine Manual for Veterinary Technicians offers a compendium of information on the care and treatment of horses for equine veterinary technicians. Highly accessible and easy to use, the book builds on the basics of equine care to provide a complete reference for equine nursing and technical skills. AAEVT's Equine Manual for Veterinary Technicians is an invaluable guide for qualified equine veterinary technicians and assistants, particularly those earning their equine certification, vet tech students, and equine practices.

Textbook of Veterinary Internal Medicine - eBook
Frontiers Media SA

Ideal for use in the clinic and in the field, Equine Emergencies: Treatment and Procedures, 4th Edition, offers practical step-by-step guidelines for effectively managing a wide range of emergency situations. Thoroughly updated content keeps you informed of the latest advances in horse care in a portable, convenient format. Essential examination, diagnostic, and treatment information for each body system is presented in a logical format so you can quickly find answers during equine emergencies. What to Do and What Not to Do boxes guide you through the step-by-step treatment of an emergency and draw your attention to important steps to take and those to avoid. High-quality photographs and illustrations visually

clarify key concepts and guide you through procedures step by step. NEW! Chapter covering bacterial and viral diseases arms you with critical information on diagnostic labs, collection, submission, and interpretation. NEW! Chapter on emergency diagnostic procedures keeps you up-to-date on all the tests needed to determine the most effective treatment. NEW! Chapter on gene testing provides information on which gene tests and labs should be performed. NEW! Chapter on biopsy techniques highlights the different instruments available, endoscopic and laparoscopic techniques, as well as how to perform a pleuritis examination. NEW! Chapter on laboratory submission offers the latest information on tests, laboratory charts, guidelines for making an appropriate submission, and blood drawing. NEW! Chapters on feeding and starvation and flood injury supply the latest guidelines for nutrition, disaster medicine, and snake bites/envenomation.