make accurate diagnoses without running a plethora of unnecessary and low-yield tests. It provides answers to commonly asked questions relating to laboratory tests, and solutions to frequently encountered problems in small animal diagnosis. For easy reference, information is provided by clinical presentation and anamnelisms, and includes hundreds of tables, boxes, key points, and algorithms. This edition, now in full color, is updated with the latest advances in laboratory testing methods and diagnostic problem solving. Written by noted educators Dr. Michael Willard and Dr. Harv! Twilien, this book is made easy on the eyes to guide to specific problems or conditions as well as a reference for more detailed research on difficult cases. Concise discussions address laboratory approaches to various disorders, possible conclusions from various test results, artifacts and errors in diagnoses, and interpretations leading to various diagnoses. Hundreds of tables, boxes, algorithms, and key points offer at-a-glance information including conclusions, common pitfalls, and helpful "pearls," and lead to proper differential and clinical diagnostic decision making. Note lessons identify key considerations in correlating clinical signs with test data for accurate diagnoses, highlight safety precautions, and offer helpful hints for sample preparation and interpretation. Chapters on laboratory diagnostic toxicology and therapeutic drug monitoring help in handling potentially fatal poisonings and other special situations. Expert editors and contributors provide clinical knowledge and successful diagnostic problem-solving solutions. A practical appendix lists referral laboratories that may be contacted for certain diseases, and reference values with the normal or expected range for visualization, hematology, and more. Updated coverage integrates the newest advances in testing methods and diagnostic problem solving. Full-color photos and schematic drawings are placed adjacent to related text, and accurately depict diagnostic features on microscopic slide preparations as well as test procedures and techniques.

VETERINARY HEMATOLOGY

William J. Rusch 2019-05-21. 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, felines, 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 introductory chapter on hematology instrumentation Presents hundreds of high-quality color photographs that help in identifying 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.

Practical Cytopathology: A Diagnostic Approach E-Book

Andrew S Fidai 2014-05-18. Employing a systematic pattern recognition approach, Practical Cytopathology: A Diagnostic Approach equips you to achieve a more accurate diagnosis of aspirated and exfoliative tissue samples from all available body organs and sites. Part of the Popular Pattern Recognition Series, this edition is designed to successfully guide you from identification of the dominant cytopathologic pattern, through the appropriate work-up, around the pitfalls, to the best diagnosis. A practical, pattern-based organization helps you to efficiently and confidently formulate accurate diagnoses at the microscope. A unique Visual Index at the beginning of the book allows you to compare specimens to commonly seen patterns, categorize them accurately, and turn directly to in-depth diagnostic guidance. Laid out with more than 1,200 high-quality, full-color images that depict the full range of common and rare conditions, ideal for both general surgical pathologists and cytopathologists, no other single source delivers such highly practical, hands-on information needed to solve even the toughest diagnostic challenges in aspirates and exfoliative cytology.

Fundamentals of Veterinary Clinical Pathology

Stevan L. Stockham 2013-03-31. This book provides in-depth information about common clinical laboratory assays that are used to evaluate domestic, including what assays measure, sample or assay conditions that affect results, and what results indicate about the physiologic or pathologic state of a patient. Whenever possible, mechanisms or processes to generate a conceptual understanding of laboratory data that can be generally applied across many species. The text has been thoroughly revised and updated in this second edition. The book is designed to help you understand the information generated by clinical laboratory tests, to interpret these results accurately, and to apply the results to appropriate treatment decisions. It is also a practical guide to developing skills in interpreting clinical laboratory data. Numerous updated tables, illustrations, and images illustrate the key points of interest. The Fundamentals of Veterinary Clinical Pathology continues to offer veterinarians and veterinary technicians an essential guide to veterinary clinical pathology.

Equine Clinical Pathology

Raquel M. Walton 2013-10-28. Equine Clinical Pathology is the first complete resource for hematology and clinical chemistry in horses. Encompassing the basic principles and advanced interpretation, the book’s single-species approach to pathology allows for focused coverage of the unique disease characteristics of equids. Equine Clinical Pathology is equally useful for anyone using clinical pathology as a diagnostic tool, from beginning student to experienced specialist. The leitmotif of the book is organized by body system, making it easy to find and apply information. Chapters cover general laboratory medicine, including instruments and techniques, hematology, and hemostasis in both normal and abnormal conditions. Equine Clinical Pathology is a useful bench-side reference for anyone involved in laboratory medicine for the horse. Features Provides a comprehensive reference for clinical pathology in horses Offers an equal emphasis on hematology and clinical chemistry Encompasses basic instrumentation and techniques to advanced interpretation Provides thorough coverage of the unique disease characteristics in the horse Uses a logical body system organization for ease of access.