

## **Textbook Of Veterinary Diagnostic Radiology 6th Edition**

Handbook of Small Animal Radiological Differential Diagnosis E-Book  
Textbook of Veterinary Diagnostic Radiology - E-Book  
Atlas of Small Animal CT and MRI  
Clinical Radiology of Exotic Companion Mammals  
Textbook of Veterinary Diagnostic Radiology  
Veterinary Technician's Handbook of Laboratory Procedures  
Pathologic Basis of Veterinary Disease - E-Book  
An Atlas of Interpretative Radiographic Anatomy of the Dog and Cat  
Veterinary Image-Guided Interventions  
Veterinary Computed Tomography  
Atlas of Dental Radiography in Dogs and Cats - Text and VETERINARY CONSULT Package  
BSAVA Manual of Canine and Feline Thoracic Imaging  
Small Animal Radiology and Ultrasonography  
Veterinary Radiography  
Clinical Radiology of the Horse  
Feline Diagnostic Imaging  
Basic Dental Materials  
Physics for Diagnostic Radiology, Third Edition  
Small Animal Diagnostic Ultrasound - E-Book  
Grainger & Allison's Diagnostic Radiology Essentials E-Book  
Veterinary Diagnostic Imaging - E-Book  
Diagnostic Radiology and Ultrasonography of the Dog and Cat - E-Book  
Lavin's Radiography for Veterinary Technicians - E-Book  
Textbook of Veterinary Diagnostic Radiology  
Radiography of the Dog and Cat  
Handbook of Radiographic Positioning for Veterinary Technicians  
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Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat  
Diagnostic Ultrasound in Small Animal Practice  
Diagnostic MRI in Dogs and Cats  
Clinical Radiology of the Horse  
Thoracic Radiology for the Small Animal Practitioner  
Atlas of Small Animal Ultrasonography  
Handbook of Veterinary Neurology  
Veterinary Radiology  
Update on Biomarkers in Allergy and Asthma, An Issue of Immunology and Allergy Clinics

## **Handbook of Small Animal Radiological Differential Diagnosis E-Book**

Focusing on the horse, this practical text is the second in a series of three to focus on veterinary diagnostic imaging and the new technologies available to help diagnose and pinpoint disease. Like *Veterinary Diagnostic Imaging: The Dog and Cat*, *Veterinary Diagnostic Imaging: The Horse* is organized by region with specific structures addressed within each region. Coverage includes background information, normal anatomy, and positioning for specific structures, followed by imaging findings and specific problems such as trauma/fracture, infection and neoplasm. The main focus of this book is radiology, with supplementary information on ultrasound, CT, and MRI. Includes Radiographic Diagnostic Indicators (RDIs), a versatile set of potential radiographic observations that, when used in combination, can often lead to a radiographic diagnosis. Features normal radiographs pictured near abnormal images for comparison. Provides telescopic images that provide both orientation and close-up views to help readers identify key points of the radiograph. Offers diagnosis at a glance with concise one or two word diagnoses in bold within each legend for quick reference. Features Emphasis Zones that electronically enhance regions of interest in more complex images.

## **Textbook of Veterinary Diagnostic Radiology - E-Book**

This is the definitive reference for the small animal practitioner to normal radiographic anatomy of the cat and dog. With over forty years of experience between them, the authors have produced an invaluable reference atlas for the veterinary practitioner. The book is suitable for the general and referral based practitioner, undergraduate or postgraduate veterinary surgeon. Over 550 radiographic images analysed and explained More than 50 new figures added, with the quality of existing images enhanced Revised contents and page headers for easy-reference Clear informative line drawings to trace radiographic shadows and schematic drawings of underlying structures not seen in plain radiographs.

## **Atlas of Small Animal CT and MRI**

The Handbook of Small Animal Radiology and Ultrasound: Techniques and Differential Diagnoses provides a user-friendly reference for a wide range of radiographic and ultrasonographic findings in dogs and cats. Key features Enables successful and clear interpretation of radiographs and ultrasonograms Offers clearly sequenced text arrangement from the identification of the radiographic or sonographic abnormalities to a list of subsequent considerations for each sign Prioritizes different clinical findings to tailor further diagnostic tests or therapeutic interventions Takes imaging abnormalities from the descriptive to the interpretative New to this edition Colour throughout enhances user-friendliness Many new conditions Extra illustrations show techniques and normal anatomy Additional information on techniques, normal appearance and disease processes Expanded Further Reading sections This book is intended for all users of small animal diagnostic imaging, from radiologists through to general practitioners to veterinary students, and will be an invaluable supplement to existing references in the subject.

## **Clinical Radiology of Exotic Companion Mammals**

The first edition of this comprehensive guide to the techniques used to obtain radiographs of the horse and to radiographic interpretation was first published in 1993. This second edition has been significantly enlarged to include new information and many additional illustrations. With over 480 superb annotated radiographs and more than 100 interpretive line diagrams, it combines the best features of a high quality atlas with those of a detailed textbook. Details of the normal radiographic anatomy of the immature and mature horse, with normal variations, incidental findings and significant abnormalities are set out including remarks on clinical prognosis and treatment. The text has been updated to include new information, knowledge gained from continuing clinical experience, and the most relevant references from recent literature. Throughout, emphasis is given to practical tips, common pitfalls, and the techniques to obtain the best radiographs for the evaluation of specific areas and conditions.

## **Textbook of Veterinary Diagnostic Radiology**

Atlas of Small Animal Ultrasonography, Second Edition is a comprehensive reference for ultrasound techniques and findings in small animal practice, with more than 2000 high-quality sonograms and illustrations of normal structures and disorders. Provides a comprehensive collection of more than 2000 high-quality images, including both normal and abnormal ultrasound features, as well as relevant complementary imaging modalities and histopathological images. Covers both common and uncommon disorders in small animal patients. Offers new chapters on practical physical concepts and artifacts and abdominal contrast sonography. Includes access to a companion website with over 140 annotated video loops of the most important pathologies covered in each section of the book.

## **Veterinary Technician's Handbook of Laboratory Procedures**

With up-to-date, easy-access coverage of every aspect of diagnostic radiology, Grainger and Allison's Diagnostic Radiology Essentials, 2nd Edition, is an ideal review and reference for radiologists in training and in practice. This comprehensive overview of fundamental information in the field prepares you for exams and answers the practical questions you encounter every day. In a single, convenient volume, this one-stop resource is derived from, and cross-referenced to, the renowned authoritative reference work Grainger & Allison's Diagnostic Radiology, 6th Edition. Concentrates on the subjects that general diagnostic radiologists need to know, covering all diagnostic imaging modalities and organized by organ and system. Uses a concise, highly templated, bulleted format that helps you find the answers you need quickly and easily. Features more than 2,000 high-quality images, including plain film, CT, MRI, and ultrasound. Features a new section on interventional radiology that covers interventional vascular radiology techniques, cross-sectional angiography, specific drainage techniques, tumor ablation principles, and intervention in hepatobiliary, genitourinary and gynecological conditions. Contains a new section on functional imaging which includes both MRI (diffusion weighted imaging and perfusion MRI) and PETCT. Includes diagnostic "pearls" that help you avoid pitfalls and errors in diagnosis. Includes a useful Appendix with many quick-reference items that are hard to remember but essential in day-to-day practice. New content includes intravascular contrast media, anticoagulation agents and sedation, the latest TNM 8th edition of staging cancers, and new section on PI-RADS and BI-RADS.

## **Pathologic Basis of Veterinary Disease - E-Book**

Covering the principles of radiographic technique and interpretation for dogs, cats, and horses, Textbook of Veterinary Diagnostic Radiology, 6th Edition helps you develop proficiency in diagnostic skills. High-quality radiographic images accompany clear coverage of diagnostic radiology, ultrasound, MRI, and CT, as well as patient positioning, radiographic

technique and safety measures, normal and abnormal anatomy, radiographic viewing and interpretation, and alternative imaging modalities. New to this edition is a chapter on MR spinal imaging and updated information on digital imaging. Written by radiology educator and expert Donald E. Thrall, along with a group of highly qualified, board-certified radiologists, this bestselling reference is a one-stop resource for the latest advances in veterinary diagnostic radiology. Clear explanations and a logical format simplify the principles of veterinary diagnostic radiology, including patient positioning, radiographic technique, specific anatomic features of the body part in question, methods of radiographic viewing and interpretation, and assessment and applications of alternative imaging modalities. High-quality radiographic images clarify key concepts and interpretation principles. Up-to-date coverage of the most commonly seen species in private veterinary practices and veterinary teaching hospitals includes the cat, dog, and horse. An atlas of normal radiographic anatomy in each section makes it easier to recognize abnormal radiographic findings. A discussion of radiation safety highlights measures that can protect you from harmful radiation exposure. NEW chapter on MR spinal imaging provides the latest information on the diagnosis of spinal cord disease through the use of CT and MRI. NEW information on digital imaging covers the newest advances in digital imaging. Updated coverage of procedures such as the esophagram, upper GI examination, excretory urography, and cystography helps in determining when and how these procedures are performed in today's practice. Revised chapters on basic interpretation make information easier to find, with in-depth discussions of the principles of image acquisition and interpretation, radiography, radiation safety, and basic coverage of normal variants.

## **An Atlas of Interpretative Radiographic Anatomy of the Dog and Cat**

This is a Pageburst digital textbook; Featuring hundreds of high-quality digital images, Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat helps you make accurate diagnoses by identifying the differences between normal and abnormal anatomy. Expert authors Donald E. Thrall and Ian D. Robertson describe a wider range of "normal," as compared to competing books, not only showing standard dogs and cats but non-standard subjects such as overweight and underweight pets plus animals with breed-specific variations. This oversized atlas provides an ideal complement to Thrall's Textbook of Veterinary Diagnostic Radiology, the leading veterinary radiography text in the U.S. Use this quick, visual reference for proper technique and interpretation of radiographic images, and you will make accurate diagnoses and achieve successful treatment outcomes. High-quality digital images show anatomic structures with excellent contrast resolution to enable accurate diagnoses. Radiographic images of normal or "standard" prototypical animals are supplemented by images of non-standard subjects exhibiting breed-specific differences, physiologic variants, or common congenital malformations. Brief descriptive text and explanatory legends accompany images, putting concepts into the proper context and ensuring a more complete understanding. Clear labeling of important anatomic structures includes cropped images to emphasize key points, and makes it quicker and easier to recognize unlabeled radiographs. An overview

of radiographic technique includes the effects of patient positioning, respiration, and exposure factors. Radiographs of immature patients show the effect of patient age on anatomic appearance. A wide range of "normal" animals is described, to prevent clinical under- and over-diagnosing of clinical patients.

## **Veterinary Image-Guided Interventions**

Radiology is a routine diagnostic procedure in all fields of clinical veterinary practice, and exotic medicine is no exception. Besides an increasing interest and concurrent demand for a higher level of care of these species, very little is reported in the scientific literature about normal radiographic patterns, and radiographic abnormalities are generally limited to case reports. Clinical Radiology of Exotic Companion Mammals is designed to fill this gap. It provides a practical resource for veterinarians wishing to add these special species to their clinical practice, and a ready reference for those already including those species among their caseload. Clearly labeled normal images will aid anyone interested in comparative radiographic anatomy, and the techniques section will help overcome difficulties related to the smaller size of many exotic companion mammals. Features of the book include: wide range of exotic mammal species beyond ferrets, rabbits, and rodents, including species such as marsupials, hedgehogs and potbellied pigs a review of the basic principles of radiology, equipment, radiologic techniques and patient positioning helpful for optimizing exotic companion mammal radiography an extensive review of both normal and pathologic radiographic patterns. Some of the latter are accompanied by clinical or surgical images to aid the practitioner in familiarization with a wide range of both common and uncommon lesions.

## **Veterinary Computed Tomography**

This manual is the second in the diagnostic imaging series. It begins by providing the reader with a grounding in the various imaging modalities: radiography, ultrasonography, computed tomography, magnetic resonance imaging, nuclear medicine and interventional radiological procedures. The second section is devoted to the individual body systems and includes chapters dedicated to the heart and major vessels, the lungs, the mediastinum, the pleural space and the thoracic boundaries. To aid the reader with information retrieval, each anatomical region is approached in the following way: radiographic anatomy and variations; interpretive principles; and diseases. Information on diseases is further subdivided into sections covering radiographic findings and the results and interpretation of other imaging studies. Each of the chapters is accompanied by a wealth of images, demonstrating both the normal radiographic appearance of structures and the abnormalities associated with disease. Specially commissioned illustrations provide an extra dimension.

## **Atlas of Dental Radiography in Dogs and Cats - Text and VETERINARY CONSULT Package**

## **BSAVA Manual of Canine and Feline Thoracic Imaging**

Veterinary Technician's Handbook of Laboratory Procedures is a quick-reference guide to conducting common laboratory tests. Carefully designed for fast access, the book covers common laboratory equipment, quality control, blood analysis, urinalysis, parasitology, and cytology. Important information is clearly and succinctly outlined for frequently used lab tests, providing step-by-step procedures, discussions of common errors, and tips and tricks, with more than 200 color images to aid in identification. A companion website offers case studies, crossword puzzles, figures from the book in PowerPoint, and additional figures not found in the printed book at [www.wiley.com/go/bellwoodhandbook](http://www.wiley.com/go/bellwoodhandbook). Veterinary Technician's Handbook of Laboratory Procedures is an invaluable tool for finding essential information on performing a wide range of laboratory tests.

## **Small Animal Radiology and Ultrasonography**

Veterinary Consult The Veterinary Consult version of this title provides electronic access to the complete content of this book. Veterinary Consult allows you to electronically search your entire book, make notes, add highlights, and study more efficiently. Purchasing additional Veterinary Consult titles makes your learning experience even more powerful. All of the Veterinary Consult books will work together on your electronic "bookshelf", so that you can search across your entire library of veterinary books. Veterinary Consult: It's the best way to learn! Book Description User-friendly and comprehensive, this essential resource covers all aspects of canine, feline, and equine diagnostic radiology and interpretation. It features relevant coverage of the physics of radiology, CT, and MRI, as well as valuable information on patient positioning and management, radiographic technique and safety measures, normal and abnormal anatomy, radiographic viewing and interpretation, and alternative imaging modalities. This edition features more than 500 additional images, a new chapter on the principles of digital imaging, and expanded coverage of brain and spinal cord imaging.

## **Veterinary Radiography**

This issue of Immunology and Allergy Clinics provides a comprehensive review of the current state of biomarkers and their role in the asthma diagnostic and therapeutic algorithm. Since the last issue on Biomarkers, which published in 2007, significant research directly targeted at biomarker development and clinical trials with new biologics, using biomarkers such as exhaled nitric oxide, sputum and tissue eosinophilia as endpoints, has occurred.

## **Clinical Radiology of the Horse**

Is it ever appropriate to diagnose and treat oral and dental problems without knowing the full extent of the problem? With more than 50% of anatomical structures and associated pathologies located below the gingivae and unseen to the eye, that's the reality without the use of high-quality, accurately interpreted radiographs. Atlas of Dental Radiography in Dogs and Cats presents hundreds of actual radiographic images, which are clearly labeled to facilitate accurate identification of normal and abnormal features. This valuable new atlas shows you exactly how to correlate common dental conditions with radiographic signs. Radiographs are also compared side by side with actual anatomical photographs to confirm surface landmarks visible on the radiographs. Correct positioning techniques for producing diagnostic radiographs as well as helpful tips and pitfalls when obtaining quality radiographs are logically presented. This approach helps you produce consistently high-quality radiographs, sharpen your interpretive skills, and confidently treat a wide range of dental problems.

### **Feline Diagnostic Imaging**

Radiography of the Dog and Cat: Guide to Making and Interpreting Radiographs offers a comprehensive guide to producing high-quality radiographs and evaluating radiographic findings. Equally useful as a quick reference or for more in-depth information on specific diseases and disorders, the book is logically organized into sections describing how to make high-quality radiographs, normal radiographic anatomy, and interpretation of radiographic abnormalities. It is packed with checklists for systematic evaluation, numerous figures and line drawings, and exhaustive lists of differential diagnoses, resulting in an especially practical guide for the radiographic procedures performed in everyday practice. Written in a streamlined, easy-to-read style, the book offers a simple and fresh approach to radiography of the dog and cat, correlating physics, physiology, and pathology. Coverage includes patient positioning, contrast radiography, normal and abnormal radiographic findings, and differential diagnoses as they pertain to musculoskeletal, thoracic, and abdominal structures. Radiography of the Dog and Cat: Guide to Making and Interpreting Radiographs is a one-stop reference for improving the quality and diagnostic yield of radiographs in your clinical practice.

### **Basic Dental Materials**

Practical Veterinary Diagnostic Imaging is an essential and practical guide to the various diagnostic imaging modalities that are used in veterinary practice. It moves from basic mathematic and physical principles through to discussion of equipment and practical methods. Radiographic techniques for both small and large animals are covered. There is a separate chapter devoted to ultrasound, as well as discussion of advanced imaging techniques such as fluoroscopy, computerised tomography and magnetic resonance imaging. The book also covers legislation and safety issues in the context of their impact on the veterinary practice. Presented with clear line diagrams and photographs, Practical Veterinary Diagnostic Imaging also provides revision points and self-assessment questions in each chapter to aid study. It is an ideal guide for

student and qualified veterinary nurses. It is also a useful reference for veterinary students and veterinarians in general practice who want a basic guide to radiography and other imaging modalities. **KEY FEATURES** Everything you need to know about diagnostic imaging in veterinary practice in a language you can easily understand The basic principles of physics presented in simple terms Improves your positioning techniques with practical tips for best practice Clear guidance on the use of digital imaging to improve image quality and reduce radiation doses to patients Companion website with additional resources (available at [www.wiley.com/go/easton/diagnosticimaging](http://www.wiley.com/go/easton/diagnosticimaging))

## **Physics for Diagnostic Radiology, Third Edition**

Clinical Radiology of the Horse is the best-selling, practical guide to all areas of equine radiography and radiology written by an experienced group of clinicians with a broad range of backgrounds. Offers an atlas of normal and clinical images, as well as a comprehensive guide to techniques, equipment, positioning, and interpretation for general veterinary practitioners and specialists in imaging and orthopaedics Updates to this fourth edition fully reflect the move to digital imaging with many new figures in the book and major revisions to the chapters on the head, thorax, and abdomen Contains expanded coverage of the foot, pastern, and fetlock (now in separate chapters) Includes a password-protected website with all the images from the book as well as over 200 additional images with examples of more subtle lesions, more fractures, correct technique and positioning versus incorrect, immature horses, progression of disease, and pathological images

## **Small Animal Diagnostic Ultrasound - E-Book**

The revision of this popular veterinary medicine textbook is perfect for use in basic neuroscience courses, clinical neurology courses, and as a reference for practicing veterinarians. Divided into two parts, the first covers the fundamental concepts required to make an accurate neurological diagnosis, and Part 2 is organized in a problem-oriented format. Instructor resources are available; please contact your Elsevier sales representative for details. Many algorithms, illustrations (both photos and line drawings), and tables provide quick reference and clarification of important information. Coverage encompasses small and large animal neurology including bovine, canine, caprine, equine, feline, ovine, and porcine. Extensive references assist readers in pursuing in-depth research of more advanced topics. An appendix organized alphabetically by species makes it easy to locate material. An increased emphasis on relevant and useful neuroanatomy in Part 1 (Fundamentals) makes the text more practical for basic science courses The chapter on Confirming a Diagnosis (Chapter 4) features more detailed descriptions of advanced imaging techniques, including when they should be used and how to achieve the best results. The chapters in Part 2 (Clinical Problems: Signs and Symptoms) contain updated information on diseases and offer new test cases at the end of each chapter. Large animal test cases are now more detailed and extensive.

## **Grainger & Allison's Diagnostic Radiology Essentials E-Book**

This practical and highly illustrated guide is an essential resource for veterinarians seeking to improve their understanding and use of computed tomography (CT) in practice. It provides a thorough grounding in CT technology, describing the underlying physical principles as well as the different types of scanners. The book also includes principles of CT examination such as guidance on positioning and how to achieve a good image quality. Written by specialists from twelve countries, this book offers a broad range of expertise in veterinary computed tomography, and is the first book to describe the technology, methodology, interpretation principles and CT features of different diseases for most species treated in veterinary practice. Key features • An essential guide for veterinarians using CT in practice • Includes basic principles of CT as well as guidelines on how to carry out an effective examination • Describes CT features of different diseases for most species treated in practice • Written by a range of international leaders in the field • Illustrated with high quality photographs and diagrams throughout

## **Veterinary Diagnostic Imaging - E-Book**

Part of a series of workbooks for students that provides an enjoyable, yet thorough means of revision. This title features mnemonics and cartoons that assist in word association and memory, and recall essential for examination success.

## **Diagnostic Radiology and Ultrasonography of the Dog and Cat - E-Book**

With a focus on birds, reptiles, and mammals, Veterinary Diagnostic Imaging: Avian and Exotic Pets discusses veterinary diagnostic imaging and new technologies for multiple modalities to help you accurately diagnose and pinpoint common injuries and disease. Divided into three sections — Birds, Mammals, and Reptiles — each section includes valuable information on positioning for specific structures, imaging findings, and more for each species with a wealth of photographs to provide real-life examples. Atlas-sized radiographs allow you to easily visualize the injury or indication of disease. Comparison radiographs display a normal image with an abnormal image to highlight differences and help you identify abnormalities in practice. “Telescopic images provide close-up views of larger radiographs to help you identify salient points visible in the radiograph. Content tailored to each species highlights the common injuries and diseases for each avian and exotic species. Discussions of multiple modalities including ultrasound, MRI, and CT provide all the information you need for diagnostic imaging in one resource.

## **Lavin's Radiography for Veterinary Technicians - E-Book**

The Handbook of Radiographic Positioning for Veterinary Technicians is specifically designed for use as an aid in learning radiographic positioning techniques and as a practical guide for everyday use in the small animal clinic. This concise handbook presents a systematic approach to the positioning of canine, feline, and exotic animal patients for routine and special radiographic procedures. The primary focus is on providing visual aids of animals in position for radiographic procedures. The resulting radiograph produced is included for each radiographic position. A diagram of anatomical landmarks used in determining correct positioning is also included. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

## **Textbook of Veterinary Diagnostic Radiology**

Pictorial atlas which illustrates the radiographic and sonographic findings of most of the common diseases that affect dogs and cats. Pictorial information is given on the thorax, abdomen, appendicular skeleton, the skull and the spine of the dog and cat.

## **Radiography of the Dog and Cat**

Written by veterinary technicians for veterinary students and practicing technicians, Lavin's Radiography for Veterinary Technicians, 5th Edition, combines all the aspects of imaging — including production, positioning, and evaluation of radiographs — into one comprehensive text. Completely updated with all new vivid, color equipment photos, positioning drawings and detailed anatomy drawings, this fifth edition is a valuable resource for students, technicians and veterinarians who need information on the latest technology or unique positioning. Broad coverage of radiologic science, physics, imaging and protection provide you with foundations for good technique. Positioning photos, radiographic images and anatomical drawings presented side-by-side with text explanation for each procedure increases your comprehension and retention. Objectives, key terms, outlines, chapter introductions and key points help you organize information to ensure you understand what is most important in every chapter. NEW! More than 1000 new full-color photos and updated radiographic images visually demonstrate the relationship between anatomy and positioning. NEW! All-new color anatomy art created by an expert medical illustrator help you to recognize and avoid making imaging mistakes. NEW! Non-Manual restraint techniques including sandbags, tape, rope, sponges, sedation and combinations improve your safety and radiation protection. NEW! Chapter on dental radiography aids general veterinarian techs and those specializing in dentistry. NEW! Increased emphasis on digital radiography, including quality factors and post-processing, keeps you up-to-date on the most recent developments in digital technology.

## **Handbook of Radiographic Positioning for Veterinary Technicians**

## **Practical Veterinary Diagnostic Imaging**

Veterinary Image-Guided Interventions is the only book dedicated to interventions guided by imaging technology. Written and edited by leading experts in the field, interventional endoscopy, cardiology, oncology and radiology are covered in detail. Chapters include the history and background of the procedures, patient work-up, equipment lists, detailed procedural instructions, potential complications, patient follow-up protocols, and expected outcomes. Split into body systems, the technical aspects of each procedure are presented using highly illustrated step-by-step guides. Veterinary Image-Guided Interventions is a must-have handbook for internists, surgeons, cardiologists, radiologists, oncologists and criticalists, and for anyone interested in cutting-edge developments in veterinary medicine. Key features include: A highly practical step-by-step guide to image-guided procedures Relevant to a wide range of veterinary specialists. Written and edited by respected pioneers in veterinary image-guided procedures A companion website offers videos of many procedures to enhance the text

## **Medical Mathematics and Dosage Calculations for Veterinary Technicians**

Interpret diagnostic images accurately with Diagnostic Radiology and Ultrasonography of the Dog and Cat, 5th Edition. Written by veterinary experts J. Kevin Kealy, Hester McAllister, and John P. Graham, this concise guide covers the principles of diagnostic radiology and ultrasonography and includes clear, complete instruction in image interpretation. It illustrates the normal anatomy of body systems, and then uses numbered points to describe radiologic signs of abnormalities. It also includes descriptions of the ultrasonographic appearance of many conditions in dogs and cats. Updated with the latest on digital imaging, CT, MR, and nuclear medicine, and showing how to avoid common errors in interpretation, this book is exactly what you need to refine your diagnostic and treatment planning skills! Hundreds of detailed radiographs and ultrasonograms clearly illustrate principles, aid comprehension, and help you accurately interpret your own films. The normal anatomy and appearance for each body system is included so you can identify deviations from normal, such as traumatic and pathologic changes. Coverage of the most common disorders associated with each body system help you interpret common and uncommon problems. Coverage of radiographic principles and procedures includes density, contrast, detail, and technique, so you can produce the high-quality films necessary for accurate diagnosis. Clinical signs help you arrive at a clinical diagnosis. An emphasis on developing a standardized approach to viewing radiographs and ultrasonograms ensures that you do not overlook elements of the image that may affect proper diagnosis. Complete coverage of diagnostic imaging of small animals includes all modalities and echocardiography, all in a comprehensive, single-source reference. Discussions of ultrasound-guided biopsy technique help you perform one of the most useful, minimally invasive diagnostic procedures. Single chapters cover all aspects of specific body compartments and systems for

a logical organization and easy cross-referencing. Coverage of different imaging modalities for individual diseases/disorders is closely integrated in the text and allows easier comprehension. A consistent style, terminology, and content results from the fact that all chapters are written by the same authors.

## **Textbook of Veterinary Diagnostic Radiology**

Learn the latest advances in veterinary diagnostic radiology! Textbook of Veterinary Diagnostic Radiology, 7th Edition, is a one-stop resource covering the principles of radiographic technique and interpretation for dogs, cats, and horses. Within this bestselling text, high-quality radiographic images accompany clear coverage of diagnostic radiology, ultrasound, MRI, and CT. User-friendly direction helps you to develop essential skills in patient positioning, radiographic technique and safety measures, normal and abnormal anatomy, radiographic viewing and interpretation, and alternative imaging modalities. This new edition has been thoroughly revised to include important advances in the field, information about contrast media, dental radiography, and more! Coverage of ultrasound imaging procedures such as the esophagram, upper GI examination, excretory urography, and cystography helps in determining when and how these procedures are performed in today's practice. Rewritten chapters on basic interpretation emphasizes radiography, radiation safety, superficial coverage of normal variants, and will include more in-depth information on the framework for interpretation. An atlas of normal radiographic anatomy in each section makes it easier to recognize abnormal radiographic findings. High-quality radiographic images clarify key concepts and interpretation principles. Up-to-date coverage of the most commonly seen species in private veterinary practices and veterinary teaching hospitals includes the cat, dog, and horse. NEW! Chapter on CT and MR contrast media gives you a better understanding of the agents used to alter patient contrast. NEW! Information on digital imaging helps you understand the latest advances in digital imaging. NEW! Chapter on dental radiology covers common dental issues you may encounter in practice. NEW! Chapter on MR spinal imaging provides the latest information on the diagnosis of spinal cord disease through the use of CT and MRI.

## **Veterinary Diagnostic Imaging**

This very useful book for the general practitioner offers a practical approach to general film interpretation and a prioritized approach to differential diagnoses. The systemic approach and well-structured text that is organized into key points and important features make this an ideal quick reference guide to thoracic radiology. It covers interpretation of thoracic radiographs for the diagnosis in dogs and cats, how to increase the quality of images, background information about the possible causes of various abnormal finding and corresponding diagnostic tests and treatments. The presentation reminds practitioners of the basics with useful hints on radiographic techniques and positioning of dogs and cats. Normal and abnormal finds of the dog and cat are discussed as well as possible causes, suggestion for additional diagnostic test, and

treatment approaches. Excellent quality images and diagrammed overlays well-illustrate the difference between normal and abnormal findings. The easy to follow format, which includes diagrams, charts, and outlines, makes it a fast and convenient reference. Published by Teton New Media in the USA and distributed by Manson Publishing outside of North America.

## **Practical Veterinary Dental Radiography**

Now in full-color with over 750 vivid images located near their text descriptions, Small Animal Diagnostic Ultrasound, 3rd Edition is the must-have resource for coverage of the basic principles of ultrasonography in small animal medical care. Using a logical body-systems approach, where chapters are organized from "head to tail," this third edition offers completely revised and up-to-date information regarding the latest techniques, applications, and developments in ultrasonography including expanded coverage of Doppler imaging principles and new gross anatomic and pathological specimen images. Also new to this edition are 100 video clips (housed on a companion website) that demonstrate normal and abnormal conditions as they appear in ultrasound scans. "This is the book that any clinician that has interest in veterinary diagnostic imaging should have." Reviewed by Denis Novak on behalf of European Journal of Companion Animal Practice, June 2015 "There will be very few clinicians who will fail to learn something new within a few minutes of opening it." Reviewed by Louise McLean on behalf of Veterinary Record, July 2015 Video clips accessible on the accompanying website allows the ultrasonographer to visualise organs in motion. The real stuff!" Reviewed by Fabienne Dethioux on behalf of Royal Canin: Vets Today, July 2015 Head-to-tail chapter organization makes finding specific information quick and easy. The most up-to-date ultrasound imaging techniques ensure you stay on top of the industry. Online glossary contains over 400 terms offer a more complete understanding of ultrasonography. NEW! Color Design includes over 750 images appearing near their text mentions. NEW! Approximately 100 video clips located on the companion website demonstrate conditions as they appear to an ultrasonographer. NEW! Updated and expanded coverage of Doppler imaging principles and applications, including non-cardiac organs and abdominal vasculature, keep you up to date in this critical area. NEW! Gross anatomic and pathological specimen images accompany the ultrasound images to help orient you to the tissues under study.

## **Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat**

With over 1,000 clear, high-quality images, this in-depth full guide covers all aspects of veterinary dental radiography. Chapters explain the indications for – and importance of – this key area of veterinary practice, the equipment used, the essential techniques in developing and processing the radiograph, common errors made, and the pathology of the teeth. The book also explores radiographic interpretation in seven detailed sections, discussing all aspects from normal

radiographic anatomy to endodontic disease and trauma. An additional chapter covers techniques and interpretation with exotics in three sections: rabbits, ferrets and rodents. The book concludes with a look at future directions in this field. Essential reading for all veterinary practitioners, this book is also the ideal guide for trainees.

## **Diagnostic Ultrasound in Small Animal Practice**

With over 2,000 full-color illustrations, Pathologic Basis of Veterinary Disease, 5th Edition provides complete coverage of both general pathology and pathology of organ systems in one convenient resource. In-depth explanations cover the responses of cells, tissues, and organs to injury and infection. Expert researchers James F. Zachary and M. Donald McGavin keep you up to date with the latest advances in cellular and molecular pathology plus expanded coverage of genetics and disease, incorporating the newest insights into the study of disease mechanisms, genesis, and progression. Already the leading reference for pathology, this edition also includes an enhanced website with images of less common diseases and and guidelines for performing a complete, systematic necropsy. Each chapter is consistently organized, presenting information on structure, function, portals of entry, defense mechanisms, responses to injury, and diseases organized by species. Full-color illustrations, schematics, flow charts, and diagrammatic representations of disease processes make it easier to understand difficult concepts. Discussions of pathologic processes and individual disorders are integrated with the latest established information available. Clear, up-to-date explanations of disease mechanisms describe the cell, tissue, and organ response to injury and infection. Over 20 recognized experts deliver the most relevant information, whether you're a practitioner, student, or preparing for the American College of Veterinary Pathology board examination. Updated content on cellular and organ system pathology provides the latest on the science of inflammation, cellular injury, molecular carcinogenesis, and pathogenesis. NEW topics include the genetic basis of disease, the monocyte-macrophage system, diseases of the ear, and disorders of ligaments and joints and of the peritoneum. NEW coverage of World Organization for Animal Health (OIE) reportable diseases ("foreign animal diseases") adds information on microorganisms that have catastrophic impact on livestock health and production. NEW Mechanisms of Microbial Infections chapter adds in-depth coverage of the means by which microbes encounter, colonize, and cause disease in animals in a chronological sequence of events. NEW and updated flow charts, schematic illustrations, and diagrams of disease processes summarize important information and clarify complex concepts. An enhanced companion website includes all the images from the book, plus additional images and schematic illustrations of common diseases; guidelines for performing a complete, systematic necropsy and appropriate sample acquisition for selected organ systems; and a glossary of terms to accompany selected organ systems.

## **Diagnostic MRI in Dogs and Cats**

This user-friendly guide to medical mathematics helps veterinary technician students develop the math skills required before going into the practice setting. New workbook format allows readers to practice problems right inside the book. Covers math fundamentals, metric and non-metric conversions, dosing and concentration, IV drug infusion, prescriptions, and doctors' orders. Offers step-by-step instructions for performing calculations. Newly expanded to include calculation of constant rate infusions, dilutions, compounding, and anesthesia applications. Features a full answer key and images from the book in PowerPoint for instructors on a companion website.

### **Clinical Radiology of the Horse**

Diagnostic MRI in Dogs and Cats makes the vast and increasingly complex topic of clinical MRI in small animals accessible to all veterinarians. With the increasing availability of MRI technology, there is also a pressing need for expertise in interpreting these images. This is the first reference textbook to provide a well-illustrated and comprehensive overview of the current knowledge, focusing on imaging appearance rather than on clinical signs or treatment. With chapters on MRI physics and technology as well as sections on specific anatomical regions, the book functions as a stand-alone reference for the reader, whether they be a radiology/neurology resident in training or a practitioner with a need to learn about veterinary clinical MRI. Includes both evidenced-based material and the authors' personal experience, providing an excellent overview of current knowledge in the field. Contributors are international leaders in the field. Bullet points format and table summaries throughout the book keep the concepts concise and organized. Richly illustrated with over 650 annotated images showcasing the main features of the disease processes. Images are obtained at all magnet field strengths, so as to reflect the current reality of veterinary MRI, which uses low-, mid- and high-field magnets. The chapters on physics and MRI technology are concise and accessible, using many visual aids and diagrams, and avoiding abstract concepts and equations whenever possible. Within each anatomical section, each chapter focuses on a disease category of that body region. When it is important to understand the imaging appearance, the pathophysiology is reviewed and imaging features of prognostic relevance are detailed. This practical yet thoroughly comprehensive book is primarily an evidence-based learning resource for trainees, but will also aid practising veterinarians who have less MRI experience.

### **Thoracic Radiology for the Small Animal Practitioner**

Basic Dental Materials is the new edition of this extensive guide to materials used in dentistry. The book has been entirely reorganised, with substantial revisions in each chapter incorporating the latest developments and research findings, and new colour illustrations have been added. Basic Dental Materials provides a practical approach to the selection and use of modern dental materials, with guidance on preparation for indirect restorations such as crowns, bridges and inlays. Enhanced by 645 images and illustrations, this comprehensive book will bring the knowledge of dental students and

practising students firmly up to date.

## **Atlas of Small Animal Ultrasonography**

This book offers a comprehensive resource for imaging the feline patient, with an emphasis on the unique considerations of imaging cats. It focuses on radiology and ultrasound, with some coverage of advanced imaging such as computed tomography and magnetic resonance imaging. Incorporating more than 1750 high-quality images, it is an invaluable reference for any veterinary practitioner with a significant feline caseload. Feline Diagnostic Imaging begins with information on the radiographic evaluation of the thorax, abdomen, and musculoskeletal structures, including normal anatomy and pathology, followed by a review of common echocardiographic and abdominal ultrasound findings and abnormalities. Advanced imaging of the skull using computed tomography and magnetic resonance imaging cases of brain and spinal disease are also included. The book: Provides imaging information specifically tailored to the particular needs of cats Emphasizes the modalities most commonly used in general practice, with some discussion of advanced imaging Gives a complete overview of diagnostic imaging for the feline patients Includes tips and tricks for the unique considerations of working with cats Presents essential information for any practitioner treating feline patients Offering a feline focus not found in other imaging books, Feline Diagnostic Imaging is an essential purchase for veterinarians wishing to improve their diagnostic imaging skills in cats. It's also an excellent guide for veterinary radiologists, and veterinary students and residents.

## **Handbook of Veterinary Neurology**

Atlas of Small Animal CT & MRI is a highly illustrated diagnostic imaging guide to common clinical disorders of dogs and cats. Contains over 3,000 high quality CT, MRI and related diagnostic images Offers a unique approach emphasizing comparative imaging and pathologic correlation Focuses on important imaging features relevant to imaging diagnosis of disease in dogs and cats Written by internationally renowned experts in the field

## **Veterinary Radiology**

This new version of Frances Barr's classic introductory text, Diagnostic Ultrasound in the Dog and Cat, has now been revised and expanded to cover the considerable technological and knowledge based advances since the first book was published in 1990. With contributions from leading subject experts, this new book covers both the theoretical principles behind the use of ultrasound in small animal practice and the practical approach to image interpretation. In-keeping with the user-friendly style of Frances Barr's book, the book is extensively illustrated with photographs and accompanying line

drawings. Organised around body systems, each chapter covers imaging procedures, normal appearances, abnormal appearances/diseases and specific conditions. Exotic animals, such as rabbits and reptiles are also included, as are new Doppler techniques. This practical guide is essential reading for all those involved in small animal imaging.

### **Update on Biomarkers in Allergy and Asthma, An Issue of Immunology and Allergy Clinics**

Physics for Diagnostic Radiology, Second Edition is a complete course for radiologists studying for the FRCR part one exam and for physicists and radiographers on specialized graduate courses in diagnostic radiology. It follows the guidelines issued by the European Association of Radiology for training. A comprehensive, compact primer, its analytical approach deals in a logical order with the wide range of imaging techniques available and explains how to use imaging equipment. It includes the background physics necessary to understand the production of digitized images, nuclear medicine, and magnetic resonance imaging.

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