

Textbook Of Veterinary Diagnostic Radiology

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.

Jetzt auch in englischer Sprache! Dieser Atlas ist eine bislang einmalige Zusammenstellung aller bildgebenden Verfahren für die drei großen „Heimtierklassen“ Vögel, Kleinsäuger und Reptilien. Separate Sektionen des Buches behandeln die drei Tierklassen, was ein schnelles und spezifisches Nachschlagen von Informationen und Bildreferenzen ermöglicht. Jede Sektion beginnt mit der anatomischen Darstellung der Körperregionen in den einzelnen Diagnostikverfahren. In einem zweiten Teil werden die häufigsten pathologischen Befunde nach den Organsystemen dargestellt und im Vergleich besprochen. Die vergleichende Darstellung ermöglicht die schnelle und richtige Diagnose mit dem adäquaten Diagnostikverfahren. Alle Röntgen-, Ultraschall-, CT- und MRT-Bilder sind eindeutig beschriftet. Mit rund 1500 Abbildungen ist dieser Atlas ein konkurrenzloses diagnostisches Archiv für die Heimtierpraxis.

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)

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.

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.

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. The new edition of the hugely successful *Emergency Procedures for the Small Animal Veterinarian* gives you all the information you need to form a diagnosis quick and accurately,

establish a prognosis and recommend treatment for a patient suffering and illness, injury or toxic event. Easy-to-read bullet-point text gives quick access to the most essential information needed to treat emergency cases quickly and efficiently. Loads of practical appendices of commonly used drugs and supplements, drugs in special circumstances (e.g. safe drugs in pregnancy, drugs to avoid in renal failure, etc.), clinical chemistry and laboratory data, conversion tables, and many more, are included for easy reference to essential data. With step-by-step coverage of cardiopulmonary emergencies, trauma gastrointestinal emergencies, toxicological events, a greatly expanded chapter on exotic pets, and much more, *Emergency Procedures for the Small Animal Veterinarian* gives you the facts you need to help you save more lives faster! All you need to know to manage every small animal emergency case you will encounter Many excellent and practical appendices of drugs, poisons, lab data, haematology Takes the diagnosis-prognosis-treatment approach to every emergency situation Easy-to-access format, with concise text and lots of lists Divided into organ systems, making it easy to locate information in a hurry Handy information on what to tell the owner in emergency injury situations Expanded chapter on Emergencies in Exotic Species Text updated throughout Information on drugs is updated New cover design to make the new edition stand out Flexicover to protect the book against heavy usage - this is not a book that will remain on the shelves

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

More than 400 diagnoses that are delineated, referenced, and lavishly illustrated highlight the third edition of this bestselling reference. Award-winning educator Dr. Carl Merrow and his expert author team provide carefully updated information in a concise, bulleted format, keeping you current with recent advances in pediatric radiology. Succinct text, outstanding illustrations, and up-to-date content make this title a must-have reference for both general radiologists and pediatric imaging specialists who need a single, go-to guide in this fast-changing area.

Concise, bulleted text provides efficient information on more than 400 diagnoses that are clearly illustrated with 2,500 superb images Meticulously updated throughout, with new diagnoses and hundreds of new images that provide the most current information in the field Expanded coverage of normal development and variations in childhood, including brain myelination, variant positions of important bowel anatomy, and bone marrow changes on MR Increased focus on the molecular/genetic basis of many diseases, including changes in current medical terminology as well as appearances by alternate modalities Expert guidance on new MR techniques for the evaluation of disease, including the use of newer contrast agents, acute and chronic pediatric musculoskeletal traumatic injuries often seen in young athletes, and congenital airway anomalies, such as CHAOS and tracheal agenesis New and revised classifications and staging systems of various pediatric disorders, including neoplasms, vascular anomalies, and childhood interstitial lung diseases (ChILD)

This is a Pageburst digital textbook; the product description may vary from the print textbook. 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. Features comprehensive, logically organized coverage of the latest advances in imaging techniques and interpretation for the dog, cat, and horse. A body systems approach presents information in a logical progression, covering skeletal versus soft tissue structures, normal anatomy, general radiographic changes, and the most common abnormalities affecting each particular system. Discussion of the physics of radiology, CT, and MRI offers a better understanding of the radiographic process. An atlas of normal radiographic anatomy of the dog and horse offers a basis for comparison to assist in recognizing abnormal findings. Information on radiation safety highlights safety measures associated with ionizing radiation. A self-assessment section at the end of each chapter evaluates understanding of key concepts and clinical applications. High-quality radiographic images, illustrations, tables, and charts throughout clarify important concepts and interpretative principles. A new chapter on Digital Images and Digital Radiographic Image Capture (Chapter 2). Updated and expanded coverage of brain and spinal cord imaging, including CT and MRI. More than 500 additional radiographic images that clarify key concepts. 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.

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.

This text contains information on diagnostic radiology of canine, feline and equine species. Also included are chapters on ultrasound, CT and MRI. Designed to present diagnostic radiology in a user-friendly approach, it starts with the physics of radiology and then moves into interpretation of the radiographs. Radiographic anatomy helps the reader formulate a diagnosis. Questions at the end of each chapter, with answers at the end of the book, reinforce

important concepts and ensure that readers understand one concept before progressing to the next.

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.

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.

A Practical Guide to Equine Radiography is designed to accompany the clinical veterinarian either within a hospital setting or out in the field. The handbook offers an informative step-by-step guide to obtaining high quality radiographs, consistently. Each chapter focuses on a separate region of the horse, offering tailored material in a clear and concise way - suitable for accessing as use of a reference. This manual offers a comprehensive guide to taking radiographs by including: clinical indications for the radiographic area of interest; equipment required; preparation and setup, with photographs; projections suitable for the radiographic area of interest, with photographs; example x-ray with labels; and three-dimensional image to demonstrate normal anatomy. This book is an essential tool for all practicing equine veterinarians and students alike.

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.

This book serves as a practical guide to radiographic interpretation and the imaging modalities used in small animal practice. The presentation incorporates a brief discussion of the technology of each modality, its use and application, and the decision process for using each modality. All imaging modalities presently in use by veterinarians are represented including plain film, MRI, ultrasound, and CT.

Equip yourself to make accurate diagnoses and achieve successful treatment outcomes with this highly visual comprehensive atlas. Featuring a substantial number of new high contrast images, *Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat, 2nd Edition* provides an in-depth look at both normal and non-standard subjects along with demonstrations of proper technique and image interpretations. 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 also non-standard subjects such as overweight and underweight pets and animals with breed-specific variations. Every body part is put into context with a textual description to help explain why a structure appears as it does in radiographs, and enabling practitioners to appreciate variations of normal that are not included, based on an understanding of basic radiographic principles. 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. Images that depict a wider range of "normal" — such as images that detail the natural growth and aging characteristics of normal pediatric and senior animals — prevents clinical under- and over-diagnosing. In-depth coverage of patient positioning and radiographic exposure guidelines assist clinicians in producing the very best results. Unlabeled radiographs along side labeled counterparts clarifies important anatomic structures of clinical interest. High-quality digital images provide excellent contrast resolution and better visibility of normal structures to assist clinicians in making accurate diagnoses. Brief descriptive text and explanatory legends accompany all images to help put concepts into the proper context. An overview of radiographic technique includes the effects of patient positioning, respiration, and exposure factors. **NEW!** Companion website features additional radiographic CT scans and more than 100 questions with answers and rationales. **NEW!** Additional CT and 3D images have been added to each chapter to help clinicians better evaluate the detail of bony structures. **NEW!** Breed-specific images of dogs and cats are included throughout the atlas to help clinicians better understand the variances in different breeds. **NEW!** Updated material on oblique view radiography provides a better understanding of an alternative approach to radiography, particularly in fracture

cases. NEW! 8.5" x 11" trim size makes the atlas easy to store.

This radiographic atlas familiarizes the equine practitioner with all common and uncommon features of the various bone and joint diseases of the equine limbs. Illustrated with high quality radiographs the clinical significance is defined and additional information is noted if necessary. Schematic drawings are added if adequate to facilitate the observation of small obscure details and to summarize "characteristic" lesions. For this 2nd revised edition many new illustrations are included which cover all parts of the equine limb with emphasis on the various lesions of the foot, fetlock abnormalities, carpal disorders as well as common and uncommon hock and stifle lesions. Text contains specific case discussions and offers clear description of the radiographic diagnosis or differential diagnosis. 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.

Describes and explains the uses of diagnostic radiology and provides detailed instructions on how best to apply this technique to the diagnosis of traumatized dogs and cats, including a range of emergency cases. The main focus of the revised concept is the descriptive presentation of clinical cases.

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.

Every clinician that has an interest in veterinary diagnostic imaging should have this reference! Small Animal Diagnostic Ultrasound, 4th Edition provides in-depth coverage of the latest techniques, applications, and developments in veterinary ultrasonography. It shows how ultrasonography can be an indispensable part of your diagnostic workup for everything from cardiac and hepatic disease to detached retinas and intestinal masses. All-new content on internal medicine is integrated throughout the text, addressing disease processes and pathologies, their evaluation, and treatment. Written by expert educators John S. Mattoon, Rance K. Sellon, and Clifford R. Berry, this reference includes access to an Expert Consult website with more than 100 video clips and a fully searchable version of the entire text. Logical organization makes reference quick and easy, with chapters organized by body system and arranged in a head-to-tail order. Coverage of Doppler imaging principles and applications includes non-cardiac organs and abdominal vasculature. Photographs of gross anatomic and pathological specimens accompany ultrasound images, showing the tissues under study and facilitating a complete interpretation of ultrasound images. More than 100 video clips demonstrate normal and abnormal conditions as they appear in ultrasound scans, including conditions ranging from esophageal abscess to splenic hyperplasia. More than 2,000 full-color images include the most current ultrasound technology. NEW! Updated content on diagnostic ultrasound ensures that you are informed about the latest developments and prepared to meet the challenges of the clinical environment. NEW! Coverage of internal medicine includes basic knowledge about a disease process, the value of various blood tests in evaluating the disease, as well as treatment strategies. NEW editors Rance K. Sellon and Clifford R. Berry bring a fresh focus and perspective to this classic text. NEW! Expert Consult website includes a fully searchable eBook version of the text along with video clips demonstrating normal

and abnormal conditions as they appear in ultrasound scans. NEW! New and updated figures throughout the book demonstrate current, high-quality images from state-of-the-art equipment. NEW contributing authors add new chapters, ensuring that this book contains current, authoritative information on the latest ultrasound techniques.

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.

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.

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

This book is a how-to manual covering common bandaging methods used to support and manage both soft tissue and orthopedic conditions in small animal patients. It offers step-by-step procedures with accompanying photographs to aid in the secure and effective application of bandages, casts, and splints. Coverage includes indications, aftercare, advantages, and potential complications for each technique.

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.

This book offers a thorough revision and update to the first landmark book that presented a standardized approach to focused point-of-care ultrasound exams of the abdomen, thorax, musculoskeletal and eye in veterinary practice. Now incorporating new applications for focused ultrasound exams and additional species, this Second Edition continues to be a state-of-the-art reference for using abbreviated ultrasound exams in clinical practice. A companion website features supplementary video clips of these point-of-care techniques depicting actual ultrasound exams for comparison and comprehension. New chapters in Point-of-Care Ultrasound Techniques for the Small Animal Practitioner, Second Edition cover ultrasound-guided nerve blocks, musculoskeletal, brain imaging, and applications of focused ultrasound techniques in cats, exotics and marine mammals—making it an essential purchase for veterinarians wanting to incorporate point-of-care ultrasound techniques into their veterinary practices. Presents a standardized approach to point-of-care ultrasound as an extension of the physical exam, including trauma, non-trauma, and monitoring applications Includes coverage of new techniques for focused ultrasound exams, including lung, anesthesia and ultrasound guided nerve blocks, transcranial brain imaging, musculoskeletal, volume status evaluation, and rapid assessment for treatable forms of shock Adds cats, exotic and wildlife mammals, and marine mammals to the existing canine coverage Emphasizes the integration of point-of-care ultrasound techniques for optimizing patient care and accurate patient assessment Offers access to a companion website with supplementary video clips showing many clinically relevant didactic examples The second edition of Point-of-Care Ultrasound Techniques for the Small Animal Practitioner is an excellent resource for veterinary practitioners, ranging from the general practitioner to nearly all clinical specialists, including internal medicine, oncology, cardiology, emergency and critical care, anesthesiology, ophthalmology, exotics, and zoo medicine specialists, and veterinary students.

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.

Every day, you are faced with a deluge of common and not-so-common problems. The 5-Minute Veterinary Consult: Canine and Feline offers authoritative coverage and timely answers to all your questions. It is a clinical reference loaded with practical information from leading experts in small animal practice. This text is an important resource you can use every day. A quick reference resource of internal medicine in canine and feline health, the book includes: over 700 specific disorders...contributions from nearly 300 leading authorities in the field...and 17 section editors covering every specialty of small animal practice. The 5-Minute Veterinary Consult: Canine and Feline is broken into three major sections. The Problems is a concise, targeted focus on primary signs and symptoms for fast and accurate recognition. The Laboratory offers profiles that give easy access to indications, interpretations, and pitfalls of each study to help you make better decisions and save time and money. The Diseases alphabetically lists every common condition you manage in the dog and cat, as well as less common ones, so you, ll be prepared no matter what shows up in your waiting room. All the major topics are listed alphabetically in a consistent one- or two-page format. Excellent appendices provide a convenient one-stop location for conversion tables, lab values, and drug information.

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.

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

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.

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

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