

veterinary radiology

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Veterinary radiology employs advanced diagnostic imaging techniques such as X-rays, ultrasound, CT, and MRI to accurately diagnose and monitor a wide range of conditions in pets and other animals. Our comprehensive pet imaging services provide crucial insights for effective treatment plans, ensuring your beloved companions receive the precise care they need through cutting-edge animal diagnostic tools.

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Textbook of Veterinary Diagnostic Radiology - E-Book

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.

Textbook of Veterinary Diagnostic Radiology

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.

Radiography of the Dog and Cat

Radiography of the Dog and Cat A convenient and authoritative quick-reference guide to help you get the most from radiography of dogs and cats. In the newly revised second edition of *Radiography of the Dog and Cat: Guide to Making and Interpreting Radiographs*, the authors deliver a thorough update to a celebrated reference manual for all veterinary personnel, student to specialist, involved with canine and feline radiography. The book takes a straightforward approach to the fundamentals of radiography and provides easy-to-follow explanations of key points and concepts. Hundreds of new images have been added covering normal radiographic anatomy and numerous diseases and disorders. This latest edition includes access to a companion website with review questions and answers. Readers of the book will also find: An expanded positioning guide along with images of properly positioned radiographs. Numerous examples of radiographic artifacts with explanations of their causes and remedies. Detailed explanations of many contrast radiography procedures, including indications, contraindications, and common pitfalls. Comprehensive treatments of Musculoskeletal, Thoracic, and Abdominal body parts, including both normal and abnormal radiographic appearances and variations in body types. Perfect for veterinary practitioners and students, the second edition of *Radiography of the Dog and Cat: Guide to Making and Interpreting Radiographs* is also a valuable handbook for veterinary technical staff seeking a one-stop reference for dog and cat radiography.

Practical Veterinary Diagnostic Imaging

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/east-on/diagnosticimaging)

Clinical Radiology of the Horse

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.

Diagnostic MRI in Dogs and Cats

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.

Techniques of Veterinary Radiography

Provides a complete explanation of radiographic physics - from producing X-rays to reading final radiographs - followed by procedures for X-raying small and large animals. Ultrasound is also covered.

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

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.

Techniques of Veterinary Radiography

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.

Textbook of Veterinary Diagnostic Radiology

Written by a veterinary technician for veterinary technicians, students, and veterinary practice application, this concise, step-by-step text will help users consistently produce excellent radiographic images. It covers the physics of radiography, the origin of film artifacts, and positioning and restraint of small, large, avian, and exotic animals. It discusses everything from patient preparation, handling, and positioning to technical evaluation of the finished product. 500 illustrations and abundant charts and diagrams Explicit, clear patient positioning guidelines, including where to collimate, anatomical landmarks, drawings of the animal positioned, and the resulting radiograph A radiographic technique chart that shows how to troubleshoot radiographic quality Boxed outlines that provide a concise, ready reference regarding technique in the section on special radiographic procedures A guide to quality control (including tests) A special procedure guide, including how to use contrast media A chart on how to develop a technique guide Chapter outlines, glossaries, and references Case studies that illustrate artifacts Key points and review questions follow every chapter A new chapter on digital veterinary radiography

Veterinary Radiology

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. In-depth coverage of the radiographic anatomy of the dog, cat, and horse enables the reader to recognize the more frequently radiographed regions. A body systems approach presents information in a logical progression and makes topics easy to find. Discussion of the physics of radiology, CT, and MRI gives readers a better understanding of the radiographic process. Information on radiation safety highlights safety measures associated with ionizing radiation. Questions with answers reinforce important points and facilitate a better understanding of diagnostic radiology. High-quality radiographs provide excellent examples of diagnostic criteria Coverage of ultrasound physics is incorporated into this edition. Interpretation paradigms - modules set up to demonstrate how to properly interpret a radiograph - are included for: the axial skeleton the

appendicular skeleton - canine & feline the appendicular skeleton - equine the tarsus the thorax - canine and feline the abdomen - canine and feline Spanish version also available, ISBN: 84-8174-660-6

Radiography in Veterinary Technology - E-Book

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.

Textbook of Veterinary Diagnostic Radiology

Small Animal Radiographic Techniques and Positioning is a practical, clinically applicable manual designed to aid veterinary technicians and nurses in correcting common artifacts in both film and digital radiography and in positioning the small animal patient for clear and consistent radiographs. Detailed positioning techniques are provided for each commonly radiographed body segment, including positioning aids, alternative restraint methods, and examples of the corresponding correct or incorrect radiographs. Species covered include dogs, cats, birds, and common exotics. The book begins with an overview of radiographic technique, darkroom maintenance, digital and film-screen imaging, then offers a section on small animal positioning, including some exotic species positioning techniques, with the final section presenting information on contrast media and special contrast enhanced procedures. A companion website provides the images from the book in PowerPoint and study questions and answers at <http://www.wiley.com/go/ayers>. Highly illustrated, *Small Animal Radiographic Techniques and Positioning* is a complete resource for any veterinary technician or student to quickly find imaging information and improve the clarity of small animal radiographs.

Atlas of Normal Radiographic Anatomy and Anatomic Variants in the Dog and Cat - E-Book

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Small Animal Radiographic Techniques and Positioning

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.

Principles of Veterinary Radiography

Confident radiographic interpretation presents a considerable challenge and the BSAVA Manual of Canine and Feline Radiography and Radiology provides a comprehensive review of the approach to radiological interpretation, the range of variants and the key fundamental principles and their application to common diseases. This Foundation Manual replaces the classic BSAVA Manual of Small Animal Diagnostic Imaging as an introduction for veterinary students, nurses and new graduates. The Manual features high quality radiographic reproductions demonstrating normal anatomy and key aspects of interpretation, as well as illustrations showing patient positioning and the practical approach that is the hallmark of the BSAVA Manuals.

Atlas of Small Animal CT and MRI

World-renowned, this popular book provides theoretical and practical guidance for students and practitioners in the safe, efficient use of radiography in veterinary practice. Presents detailed discussions of physical principles, and information on X-ray machines, accessory apparatus, processing techniques, and radiation protection. Also includes an atlas of positioning.

BSAVA Manual of Canine and Feline Radiography and Radiology

This issue, guest edited by Angela Marolf, focuses on small animal Veterinary Diagnostic Radiology. Articles include: Ultrasound Imaging of the Musculoskeletal System, CT Imaging of the Musculoskeletal System, MRI Imaging of the Musculoskeletal System, Ultrasound of the Hepatobiliary System and Pancreas, CT and MRI Imaging of the Hepatobiliary System and Pancreas, CT Imaging in Oncology, PET/CT Imaging, and more!

Principles of Veterinary Radiography

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

Diagnostic Radiology, An Issue of Veterinary Clinics of North America: Small Animal Practice, E-Book

Exercises in Veterinary Radiology: Spinal Disease contains clinical descriptions with selected portions of radiographic studies of dogs and cats with spinal disorders. The book also covers major topics in clinical neurology and neuroradiology relevant to the case studies presented. The cases are organized into smaller groups with a common theme, such as breed, an aspect of clinical history or a physical or neurologic abnormality. The cases range from "classic" examples of illustrated diseases to unique presentations. This book can be used as a self-assessment tool for veterinarians in practice or for veterinary students preparing for exams or about to enter practice.

Veterinary Image-Guided Interventions

This reference book covers using digital radiology and medical imaging procedures such as ultrasound, MRI and scintigraphy in veterinary practice. The approach is a step-by-step guide, with tips and techniques to ensure optimal X-rays and advice on how to improve radiation protection. All commonly kept pets are included: small mammals, birds, amphibians and reptiles. Translated from the German edition, Diagnostic Radiology in Small Animal Practice 2nd Edition is an extraordinary resource for veterinary students and veterinary school libraries.

A Study of the Arrangements for Radiological Protection in Twenty-three Veterinary Practices in Scotland

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.

Exercises in Veterinary Radiology

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 Radiology in Small Animal Practice 2nd Edition

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.

Handbook of Small Animal Radiological Differential Diagnosis 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.

Practical Veterinary Dental Radiography

This one-of-a-kind text atlas is a must-have for veterinarians and veterinary radiologists. A wealth of superb illustrations demonstrate the correlation between radiographic and ultrasound images. As diagnostic radiology and ultrasound imaging continue to play a vital role in the practice of small animal medicine, it's crucial that practitioners stay abreast of the very latest technology with a tool such as Small Animal Radiology and Ultrasonography, 3rd Edition. Broadened coverage including spectral doppler echocardiographic studies to ensure users are up-to-date with the latest information. Reference lists have been expanded to include more comprehensive information on particular subjects. All areas of discussion are better illustrated to further enhance coverage of topics. Broadened coverage including spectral doppler echocardiographic studies to ensure users are up-to-date with the latest information. Reference lists have been expanded to include more comprehensive information on particular subjects. All areas of discussion are better illustrated to further enhance coverage of topics.

Atlas of Radiology of the Traumatized 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.

An Atlas of Interpretative Radiographic Anatomy of the Dog and Cat

Preceded by Atlas of normal radiographic anatomy & anatomic variants in the dog and cat / Donald E. Thrall, Ian D. Robertson. c2011.

Small Animal Radiology and Ultrasonography

This code is concerned with the protection of all individuals who may be exposed to radiation emitted by x-ray equipment used in the practice of veterinary radiology. The code sets out the relative responsibilities of the owner, responsible user, operator, and other personnel involved with the equipment; provides information for designing shielding and determining its effectiveness & adequacy in attenuating primary & stray radiation; and presents recommendations for minimizing irradiation to the operators & ensuring that veterinary X-ray equipment is used in a safe manner.

Lavin's Radiography for Veterinary Technicians

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.

Radiographic Technique in Veterinary Practice

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 accom-

panied by clinical or surgical images to aid the practitioner in familiarization with a wide range of both common and uncommon lesions.

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

Handbook of Small Animal MRI will help you make the most of one of the greatest advancements in veterinary practice in recent years, magnetic resonance imaging. Those using the services of mobile scanners dedicated to veterinary use, as well as those in practices with their own MRI machine, will benefit from this book. It provides a clear and comprehensive account of how this important diagnostic tool works. In addition this easy reference handbook provides guidance on the interpretation of images of common clinical conditions. The book includes:

- An overview of the basic principles, explaining exactly how and why MRI works and how images are produced
- Easy-to-understand diagrams to explain the theory of MRI
- Safety procedures
- A Glossary of terms
- Over 100 annotated images of MRI scans to aid diagnosis
- An additional atlas of normal anatomy for MRI interpretation

Written by two pioneering experts in the field with a combined experience of over 20,000 MRI studies of veterinary patients. Suitable for small animal veterinarians and veterinary students. Ian Elliott trained as a Radiographer and first became involved with MRI in late 1980s. He has worked exclusively in MRI since 1991 and, following an extensive spell scanning human patients, helped pioneer the use of the technique in veterinary practice. Ian has been involved exclusively in veterinary MRI since 2000 and has scanned many thousands of cases during this time. He currently works for Burgess Diagnostics providing MRI services to veterinary surgeons throughout UK and Ireland. Geoff Skerritt is an RCVS Recognised Specialist in Veterinary Neurology, Diplomate of the European College of Veterinary Neurology and former President of the ECVN. In 1997 Geoff was one of the founders of VetMRI, the first mobile veterinary MRI facility in Europe. He is the founder and director of ChesterGates Animal Referral Hospital, a leading multi-discipline veterinary referral centre in the UK.

Radiation Protection in Veterinary Medicine

This concise yet thorough guide to diagnostic radiology for the equine practitioner reflects over 35 years of clinical experience by the author. The book focuses on the production of high quality diagnostic radiographs in the field: from the carpus to the foot. This practical presentation provides detailed techniques for optimal production of images and accurate interpretation of the films. It includes a detailed discussion of the imaging of the distal limbs for assessment of lameness, infectious and traumatic conditions as a component of the Purchase examination. A practical assessment of the economic benefits of diagnostic radiology in the practice and methods for determining the cost and profitability is also included. This highly visual title contains over 400 high quality diagnostic images to aid the clinician in correctly diagnosing patients. This book is an exceptional guide to producing excellent quality radiographs in the field and belongs in glove box of every equine practitioner's truck. Published by Teton New Media USA and distributed by CRC Press outside of North America.

Veterinary Diagnostic Imaging - The Horse

Clinical Radiology of Exotic Companion Mammals