

Ultrasonic Imaging And Animal Reproduction

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Veterinary Reproductive Ultrasonography Wolfgang Kähn 2004-03-22 A guide to the reproductive problems facing the busy veterinary practitioner in every day practice. The pregnant and non-pregnant uterus, as well as pathologic changes of the reproductive system are described and explained. The book is superbly illustrated and covers all the important domestic large and small animals: dogs, cats, horses, cows, sheep, goats and

pigs.

Ultrasonic Imaging and Animal Reproduction 1995

Practical Atlas of Ruminant and Camelid Reproductive

Ultrasonography Luc DesCôteaux 2009-12-08 Practical Atlas of

Ruminant and Camelid Reproductive Ultrasonography is a

practical, fully referenced, image-based guide to the essential

concepts of reproductive ultrasound in domesticated ruminants

and camelids. Providing information to enable practitioners to

incorporate ultrasound service into their practices, the book also

includes more specialized information for advanced techniques

such as fetal sexing, embryo transfer, color Doppler, and others.

Practical Atlas of Ruminant and Camelid Reproductive

Ultrasonography is a must-have reference for ruminant and

camelid practitioners, instructors, and students.

Diagnostic Ultrasound and Animal Reproduction M.A.M. Taverne

2013-06-29 The use of ultrasonic imaging techniques for

diagnostic purposes in veterinary medicine and animal science

has lagged far behind their use in human medicine. In the area of

domestic animal reproduction, diagnostic ultrasonography has a

relatively short history. Reports on B-mode scanning first

appeared as late as 1969, when Stouffer and co-workers used it

for counting foetal numbers in late gestation sheep. After Lindahl

had re-evaluated the potential of two-dimensional

ultrasonography for pregnancy diagnosis in sheep in 1976,

results of the first large scale field-trials by Fowler and Wilkins on

predicting foetal numbers during the first half of gestation in

sheep were published as recently as 1980. In this year also the

first paper, by Palmer and co-workers, on ultrasonic scanning of

the uterus and ovaries in the mare appeared. The improvement

of diagnostics which was achieved by the application of this

technique is illustrated by its present routine use in clinical equine

practice and sheep breeding. Besides offering an accurate early

pregnancy diagnosis in species such as the horse, cow, sheep,

goat, pig and dog, ultrasonography enables the visualization of

ovarian and uterine structures for the identification of both

physiological and pathological conditions. In this way it replaces or supplements the more common diagnostic techniques used by the general practitioner so far. Ultrasonography has also opened several new lines of research for clinicians and research workers.

Ultrasonic Imaging and Animal Reproduction: Horses O. J. Ginther 1995-01-01

Blackwell's Five-Minute Veterinary Consult Clinical Companion Carla L. Carleton 2011-06-24 Blackwell's Five-Minute Veterinary Consult Clinical Companion: Equine Theriogenology provides quick access to essential information on common techniques and conditions in equine reproductive practice. Part of the popular Blackwell's Five-Minute Veterinary Consult series, this resource builds on the reproduction section of Blackwell's Five-Minute Veterinary Consult: Equine to present expanded theriogenology coverage with clinical photographs. With information ranging from artificial insemination and fetal sexing to parentage testing and vaccination programs, the book offers 158 similarly formatted chapters to help practitioners efficiently manage reproductive health in the mare and stallion and confidently treat fetal and neonatal patients.

Large Animal Ultrasound 2001

Update on Ruminant Ultrasound, An Issue of Veterinary Clinics of North America: Food Animal Practice, E-Book Sébastien

Buczinski 2016-04-05 This issue of Veterinary Clinics of North America: Food Animal Practice focuses on Ruminant Ultrasound. Article topics include: On-farm use of ultrasound for assessment of bovine respiratory disease, Echocardiography for the assessment of congenital heart defects in calves, Ultrasonography of the tympanic bulla and otitis media, Ultrasonography of the central nervous system and ultrasound guided CSF tap, Ultrasonographic examination of the abdomen of calves, Ascites in cattle: ultrasonographic findings and diagnosis, Ultrasonographic doppler use for reproduction management in heifers and cows, Ultrasound use for body condition and carcass quality assessment in cattle and lambs,

and more!

Physiology of the Graafian Follicle and Ovulation R. H. F. Hunter 2003-05 The development and selection of ovarian follicles is one of the most active areas of contemporary reproductive research. Relevant experimental work extends from laboratory rodents, across a wide range of domestic species, to human clinical studies, especially as related to problems of fertility and in vitro fertilisation. This 2003 volume provides comprehensive coverage of the field, integrating research findings from animal and human studies and condensing the vast published literature into a meaningful and digestible physiological account which highlights the key role played by the oocyte in influencing all stages of follicular development.

Atlas of Equine Ultrasonography Jessica A. Kidd 2022-08-03
ATLAS OF EQUINE ULTRASONOGRAPHY A THOROUGH EXPANSION TO THE FIRST ATLAS OF ULTRASONOGRAPHY IN THE HORSE, WITH NEW AND SIGNIFICANTLY IMPROVED IMAGES Ultrasonography is a vital diagnostic tool that can be applied in numerous functions in a veterinary practice. In conjunction with relevant clinical information—patient history and physical examination findings, for example—it can act as an important aid in the veterinarian's decision-making process. Many vets in equine practice rely upon ultrasonography as a mainstay of equine diagnostic imaging on a wide range of structures and body systems. Ultrasonography is a useful procedure that is non-invasive and acts in complement to radiography to successfully diagnose the animal's condition. This book's aim is to encourage the clinician to rely further on the use of ultrasonography in their practice. The second edition of Atlas of Equine Ultrasonography provides an updated and expanded revision of the first atlas of ultrasonography in the horse. The first edition of this important resource was the first pictorially-based book to cover ultrasonography in the horse, and remains the only book currently available on the subject. The current version offers 450 additional images with greater clarity and precision in the images

throughout and demonstrates how to obtain images in each body region while offering clinical ultrasonograms that show pathology. Atlas of Equine Ultrasonography readers will also find: High-quality clinical ultrasonograms for important musculoskeletal, reproductive, and medical conditions in the horse More than 1,500 images, with accompanying concise text describing the images A companion website that provides video clips showing dynamic ultrasound exams Atlas of Equine Ultrasonography is an invaluable reference to any veterinarian evaluating ultrasonograms in equine patients. As a result, this book will be of particular interest to equine specialists, veterinary radiologists, equine practitioners, and veterinary students.

You Deserve, We Conserve M. W. Pandit 2007-01-01 There is a tremendous wealth of mega-biodiversity in the world. But the very existence of this wealth is under threat due to habitat destruction, pushing animals towards inbreeding depression and thereby paving way for their extinction. This has made essential human intervention and assisted reproductive technologies. Thus, the issues of conservation of wildlife and biodiversity have become the need of the hour, especially in terms of policy making at the government level. You deserve, We Conserve: A Biotechnological Approach to Wildlife Conservation contains 16 articles by scientists engaged in research on the conservation of wildlife, role of reproductive technologies and modern approaches being followed in wildlife conservation. It also deals with various techniques used in field conditions such as chemical capture, molecular genetics, ultrasonography, cryopreservation, wildlife forensics, etc. The present book will be of special interest to professionals engaged in forest and environment related activities, particularly wildlife conservationists, students pursuing their career in veterinary discipline of wild animals and policy makers. It will also be useful for nature enthusiasts, who have an interest in wildlife

Basic Large Animal Ultrasound 1999

Equine Breeding Management and Artificial Insemination Juan C.

Samper 2009 Practical information on the reproductive management of both thoroughbred and warmblood breeding operations prepares horse breeders to effectively breed even problem mares and stallions.

Ultrasonic Imaging and Animal Reproduction O. J. Ginther 1995
South American camelids research Martina Gerke 2006-07-20
South American Camelids are receiving increased interest not only in South America but also on a worldwide scale. They possess some unique features such as their fine fibre and their high adaptivity to many climatic regions across the world. Apart from the important productive aspects, their beauty also predestine them as pet animals. However, there are still many gaps in the scientific literature with regard to South American Camelids. This collection of papers brings experience of both South American and European experts together. It considers current trends in reproduction, nutrition, health, fibre morphology and genetics and discusses as new topic aspects of the potential of meat production and commercialization in South America. The particular advantages of South American Camelids for the sustainable use of fragile ecosystems with native pastures are outlined. Round tables discussions focus on the interaction between wild and domestic species, the management of alpaca populations outside of South America and health aspects under European conditions. South American Research is aimed at scientists and animal breeders as well as students studying veterinary, animal and applied biological sciences.

Biotechnologies Applied to Animal Reproduction Juan Carlos Gardón 2020-11-01 This comprehensive volume focuses on recent trends and new technologies used in the management of reproduction in major farm animals, focusing on both males and females of bovine, equine, and porcine species. With chapters written by scientists who specialize in their respective topics, the volume presents a selection of different technologies that have been developed to assure reproductive success by improving reproductive efficiency, generating germplasm banks, and

maintaining genetic diversity in cattle, horses, and pigs. In the last decade, reproductive technologies in veterinary medicine have progressed considerably, providing high profitability to livestock farms. This book provides basic and applied information on the most used reproductive technologies in bovine, equine, and porcine species for academics, scientists, and veterinarians. The volume discusses reproductive and postpartum management, reproductive ultrasound, sperm management, egg retrieval, artificial insemination, embryo transfer, nutrition, genetics, and certain clinical aspects, such as endocrinology and robustness of reproductive systems.

Animal Reproduction 2022-05-25 Reproduction is the backbone of animal-based food production. The reproductive systems of animals vary and are species-dependent. In this regard, all terrestrial animals perform internal fertilization, whereas aquatic animals perform different reproductive strategies such as internal fertilization without mating, external fertilization, viviparous, oviparous, and parthenogenesis. Today, reproductive biotechnology is an important part of the conservation and propagation of animals. This book addresses several hot topics in the field of reproduction of terrestrial and aquatic animals. Over five sections and eight chapters, this volume examines subjects such as cryopreservation, embryo transfer, avian reproduction, intraovarian gestation, and more.

Equine Science 2020-09-23 Understanding the latest developments in equine science is essential for all veterinary and equine professionals and students, researchers, owners, and those caring for equids. This book reflects the diversity in research presently being carried out worldwide. From locomotion and the digestive system, through to the skin and reproduction. The chapter on medicine includes not only some of the latest advances in gene therapy but also reveals medieval treatments, providing a fascinating glimpse into the past whilst also looking at future technologies. The book also highlights some contemporary insights into diet and behavior. From DNA and individual cells

through to the entire animal, this research uses different scientific methods to understand horses and donkeys in greater detail.

Current Therapy in Large Animal Theriogenology - E-Book

Robert S. Youngquist 2006-11-23 An essential resource for both

students and practitioners, this comprehensive text provides

practical, up-to-date information about normal reproduction and

reproductive disorders in horses, cattle, small ruminants, swine,

llamas, and other livestock. Featuring contributions from experts

in the field, each section is devoted to a different large animal

species and begins with a review of the clinically relevant aspects

of the reproductive anatomy and physiology of both males and

females. Key topics include the evaluation of breeding

soundness, pregnancy diagnosis, diagnosis and treatment of

infertility, abortion, obstetrics, surgery of the reproductive tract,

care of neonates, and the latest reproductive technology.

Includes coverage of all large animal species. All sections

provide a review of clinically pertinent reproductive physiology

and anatomy of males and females of each species. Complete

coverage of the most current reproductive technology, including

embryo transfer, estrous synchronization, and artificial

insemination. A new section on alternative farming that

addresses reproduction in bison, elk, and deer. New to the

equine section: stallion management, infertility, and breeding

soundness evaluation. New to the bovine section: estrous cycle

synchronization, reproductive biotechnology, ultrasonographic

determination of fetal gender, heifer development, and diagnosis

of abortion. New to the porcine section: artificial insemination,

boar/stud management, diseases of postpartum period, and

infectious disease control. New to the llama section: infectious

disease and nutrition.

Arthur's Veterinary Reproduction and Obstetrics - E-Book David

E. Noakes 2018-10-30 As the standard theriogenology text for

veterinary students, Veterinary Reproduction and Obstetrics is

also a great reference to keep post-graduation. The 10th edition

of this book has been thoroughly updated to include normal

reproduction and reproductive disorders, as well as diseases in the common and less common domestic species (dogs, cats, pigs, and horses as well as llamas, alpacas, and camels). This sorely needed information is vital for practicing in underdeveloped countries which lack the technology, equipment, and personnel offered in the U.S. With many international contributing authors, this one-of-a-kind text includes developments in reproductive biology and endocrinology from across the globe. Only textbook covering all major domestic mammalian species ensures you get consistent, authoritative advice on all species that experience challenges related to reproduction and obstetrics. Only book available that covers all aspects of theriogenology in all major domestic mammalian species recognizes the importance of species from every inch of the globe. A practical, clinical approach to the content provides you with the instruction you need to improve your clinical proficiency. Comparative aspects of theriogenology and obstetrics helps you to see beyond your species of immediate interest, and broaden your scope of knowledge and understanding of the discipline. Consistent leadership of David Noakes through nine previous editions makes this the most highly regarded text worldwide in this genre. NEW! Extensive coverage of less-common domestic species prepares you to work with these animals in developing countries where they're more common. NEW! Black and white images replaced with color pictures to optimize full-color design and demonstrate specific techniques. NEW! Additional international contributors provide you with a global, multi-faceted perspective on a variety of species.

Fourth Canadian Conference on Computer and Robot Vision 2007

Manual of Equine Reproduction - E-Book Steven P. Brinsko 2010-05-19 Now in full color, Manual of Equine Reproduction, 3rd Edition provides a comprehensive look at the reproductive management of horses, including management of stallions,

pregnant mares, and neonatal foals. Expert authors use a concise, practical approach in discussing improved therapies and treatments in equine breeding. You'll enhance your skills and knowledge with this book's detailed coverage of techniques used in reproductive examination, breeding procedures, pregnancy diagnosis, foaling, and reproductive tract surgery. A clinical emphasis includes a step-by-step format of possible scenarios from conception to breeding management. Practical information includes topics such as breeding with transported cooled or frozen semen, and caring for the broodmare and newborn foal. The organization of material corresponds to the course of study in veterinary school, so you can find topics easily. Chapter objectives and study questions at the beginning of each chapter guide you through the material and provide clear learning goals. Evaluation of Breeding Records chapter covers the importance of breeding records, and how to use them to evaluate stallion performance and optimize fertility. References are listed at the end of each chapter for further research and study. Full-color photographs and illustrations clearly depict procedures, and all drawings have been redrawn and improved. NEW Assisted Reproductive Technology chapter goes beyond embryo transfer. Updated content includes the latest advances in therapies and treatments. New content is added to two chapters, Reproductive Physiology of the Nonpregnant Mare and Manipulation of Estrus in the Mare. Thorough coverage of every aspect of equine reproduction provides a strong foundation for success in veterinary practice, including a discussion of the use of GnRH-analog deslorelin (Ovuplant) to hasten ovulation; aseptic technique for endometrial biopsy; use of transabdominal ultrasonography, especially in early pregnancy; determination of fetal gender by transrectal ultrasonography; aspiration testicular biopsy using a spring-loaded biopsy instrument; and procedure for surgical embryo transfer.

Ultrasonic Imaging and Animal Reproduction: Fundamentals O.

J. Ginther 1995

Dairy Production Medicine Carlos Risco 2011-08-04 This comprehensive book integrates new technology and concepts that have been developed in recent years to manage dairy farms in a profitable manner. The approach to the production of livestock and quality milk is multidisciplinary, involving nutrition, reproduction, clinical medicine, genetics, pathology, epidemiology, human resource management and economics. The book is structured by the production cycle of the dairy cow covering critical points in cow management. Written and edited by highly respected experts, this book provides a thoroughly modern and up-to-date resource for all those involved in the dairy industry.

Biotechnology in Animal Health and Production Satish Kumar Jindal 2010 This book describes and evaluates animal biotechnology and its application in veterinary medicine and pharmaceuticals as well as improvement in animal food production. Transgenic technologies are used for improving milk production and the meat in farm animals as well as for creating models of human diseases. Transgenic animals are used for the production of proteins for human medical use. Biotechnology is applied to facilitate xenotransplantation from animals to humans. Genetic engineering is done in farm animals and nuclear transfer technology has become an important and preferred method for cloning animals. Biotechnology has potential applications in the management of several animal diseases such as foot-and-mouth disease, classical swine fever, avian flue and bovine spongiform encephalopathy. The most important biotechnology based products consist of vaccines, particularly genetically engineered or DNA vaccines. Gene therapy for diseases of pet animals is a fast developing area because many of the technologies used in clinical trials humans were developed in animals and many of the diseases of cats and dogs are similar to those in humans. RNA interference technology is now being applied for research in veterinary medicine. Molecular diagnosis is assuming an

important place in veterinary practice. Polymerase chain reaction and its modifications are considered to be important. Fluorescent in situ hybridization and enzyme-linked immunosorbent assays are also widely used. Newer biochip-based technologies and biosensors are also finding their way in veterinary diagnostics. This book is an attempt to unravel the mysteries of biotechnology as it affects animal health and production."

Equine Reproductive Physiology, Breeding and Stud Management, 5th Edition Mina C.G. Davies Morel 2020-11-02
Equine Reproductive Physiology Breeding and Stud Management, 5th Edition provides a thorough grounding in equine reproductive anatomy and physiology and applies it to all aspects of breeding and stud management. This includes detailed coverage of the management of mares, stallions and foals, as well as stud management practicalities such as infertility, artificial insemination and advanced reproductive techniques. This textbook, which has been updated throughout with additional material and references, continues to provide an authoritative treatise on equine reproduction for students, practising veterinary surgeons and stud managers.

Blackwell's Five-Minute Veterinary Consult Jean-Pierre Lavoie 2011-09-20
Blackwell's Five-Minute Veterinary Consult: Equine, Second Edition is a concise, comprehensive resource for all topics related to equine medicine. Now fully revised and updated, this authoritative quick reference provides thorough coverage of practical information, arranged alphabetically for efficient searching. Bringing together the expert knowledge of 175 contributors, the popular Five-Minute Veterinary Consult format allows rapid access to complete coverage of nearly 500 diseases and conditions seen in the horse. This reference is an essential tool for students and practicing veterinarians to quickly diagnose and treat equine patients.

Encyclopedia of Reproduction: M-Pri 1998 "The present work should serve as a convenient and comprehensive source of information encompassing all aspects of the subject of

reproduction as it relates to the entire animal kingdom." --
Preface, p. xxxiii.

Controlling Reproduction J.S. Hutchinson 1993-08-31 In this refreshingly integrated account, the author reviews reproductive function in humans, wild and domestic mammals, highlighting the loci suitable for manipulation. Controlling Reproduction is a practical comparative text which will be of interest to anyone concerned with mammalian reproduction.

Current Therapy in Equine Reproduction E-Book Jonathan Pycock 2006-11-23 Offering the most current insights on horse breeding, this book covers the entire reproductive system, normal and abnormal mare physiology, and a wide range of reproductive problems commonly seen in both the mare and stallion.

Coverage includes advanced reproductive techniques, with numerous breeding strategies to help you achieve optimal fertility rates. Features the most current information available on equine reproduction, including the latest therapies and treatments for breeding dysfunction, as well as advances in reproductive techniques Focuses on therapy and treatment to provide practitioners with quick access to key information Features the shared experience and valuable advice of world-renowned experts who have first-hand knowledge of which treatments and therapies are most effective

Ultrasonic Imaging and Animal Reproduction: Cattle O. J. Ginther 1995

Wild Mammals in Captivity Devra G. Kleiman 2010-08-15 Zoos, aquaria, and wildlife parks are vital centers of animal conservation and management. For nearly fifteen years, these institutions have relied on Wild Mammals in Captivity as the essential reference for their work. Now the book reemerges in a completely updated second edition. Wild Mammals in Captivity presents the most current thinking and practice in the care and management of wild mammals in zoos and other institutions. In one comprehensive volume, the editors have gathered the most current information from studies of animal behavior; advances in

captive breeding; research in physiology, genetics, and nutrition; and new thinking in animal management and welfare. In this edition, more than three-quarters of the text is new, and information from more than seventy-five contributors is thoroughly updated. The standard text for all courses in zoo biology, *Wild Mammals in Captivity* will, in its new incarnation, continue to be used by zoo managers, animal caretakers, researchers, and anyone with an interest in how to manage animals in captive conditions.

New Zealand Journal of Agricultural Research 1958-03

Factors Affecting Calf Crop Michael J. Fields 2001-11-21

In today's world, we are witnessing simultaneous breakthroughs in reproductive technologies, genomics, and molecular biology. Advances in molecular genetic technology and understanding of the bovine genome have led to the development of tools that can be used to enhance profitability on cow-calf enterprises. *Factors Affecting Calf Crop: Biotechnology of Reproduction* provides a detailed compilation of current and forthcoming technology for managing reproduction in cattle. The book discusses topics such as: approved techniques for controlling the estrous cycle in cattle; managing follicular growth with progesterone, estrogens, and prostaglandins; freezing, thawing, and transfer of cattle embryos; application of embryo transfer to the beef cattle industry; embryo transfer in topically adapted cattle; new factors affecting bull fertility; embryo collection and utilization technology, in vitro fertilization, somatic cell cloning, and genetic technologies; uses of real-time ultrasound; and sexed semen. Over 25 leading animal scientists have combined their expertise to produce the first single-source reference that covers successful reproductive techniques that will, most likely, be the wave of the future. Expansive in scope, the book addresses current biotechnologies as they impact the production of beef cattle. Written at a level to appeal to the researcher, commercial producer, or student, *Factors Affecting Calf Crop: Biotechnology of Reproduction* presents you with a wealth of technologies applicable to animal

agriculture.

Artificial Insemination and Treatment of Infertility in Dairy Animals

Honnappagol 2010-01-15 Artificial Insemination and Treatment of Infertility in Dairy Animals by Honnappagol and Tandle is a handy work of 16 well experienced faculties drawn from different departments of higher learning. Most of them are actively engaged in under-graduate and post-graduate teaching with considerable expertise. Adequate care has been exercised by the editors to incorporate all the aspects of artificial insemination and infertility in the chapters form 1 to 20 so that it can serve as a real guide to the students and veterinarians and in turn minimizing the possible economic losses to the dairy animal owners and dairy Industry. Adequate care has been taken to include all spheres of infertility starting from endocrinology of estrous cycle, role of nutrition, feed formulation, breeding strategies, estrus detection aids, recent advances in reproduction controlled breeding, fertility improvement use of ultrasound and laparoscopy, therapeutic management of infertility and reproductive disease control. Practical knowledge and skill in respect of handling, storage and evaluation of frozen semen, safety handling of cryocans and liquid nitrogen, factors affecting success rate in artificial insemination programme and drugs and hormones used in treating reproductive disorders is also provided.

Frontier Technologies in Bovine Reproduction A. Kumaresan

2022-07-22 This book details the frontier technologies in the area of bovine reproduction. It describes the importance and significance of different technologies for improving reproduction efficiency in bovines. The book delineates the advancements in the technologies that are currently in use for faster multiplication of elite germ plasm including multiple ovulation and embryo transfer, ovum-pick-up, in vitro fertilization and embryo production, and semen sexing. Other emerging technologies, having potential for improving reproductive efficiency in bovines, including stem cells are also discussed with special reference to spermatogonial stem cells. Simple but effective tools having a

great scope for day-to-day application in bovine farms for effective reproductive management like ultrasonography and thermal imaging are also covered in this book. The chapters on sperm transcriptomics, proteomics, metabolomics provide current developments in these areas and use of integrated approach for identification of fertility biomarkers. The chapters also describe technological advancements for early pregnancy diagnosis and offspring sex pre-selection in bovines. Additionally, this book discusses different sperm selection procedures including application of nanotechnology to obtain superior spermatozoa for assisted reproduction. Futuristic technologies including genomic selection and transgenesis are also discussed in detail. Finally, the book also elucidates a comprehensive description of challenges perceived with bovine reproduction and how effectively these technologies can help in improving fertility in bovines. ?

Equine Reproduction Angus O. McKinnon 2011-07-05 Now in a much-anticipated two-volume new edition, this gold-standard reference stands as the most comprehensive and authoritative text on equine reproduction. Serving theriogenologists, practitioners and breeders worldwide as a one-stop resource for the reproductive assessment and management of equine patients, Equine Reproduction, Second Edition provides detailed information on examination techniques, breeding procedures, pregnancy diagnosis and management, reproductive tract diseases and surgery, and foaling. A companion CD offers hundreds of images from the book in color. For the Second Edition, the stallion, mare and foal sections have been thoroughly updated and revised to include the latest information on every subject. New topics include discussion of nutritional and behavioral factors in the broodmare and stallion, parentage testing, fetal sexing and the health and management of older foals, weanlings and yearlings. Additionally, this outstanding Second Edition features a new section on assisted reproductive techniques, including detailed information on artificial

insemination, in-vitro fertilization, embryo transfer and technology.

Equine Internal Medicine - E-Book Stephen M. Reed 2009-12-10
Develop an essential understanding of the principles of equine disease with this one-of-a-kind, problem-based resource! Extensively revised and updated with contributions from an international team of experts, *Equine Internal Medicine, 3rd Edition* reflects the latest clinical research in equine medicine and focuses on the basic pathophysiologic mechanisms that underlie the development of various equine diseases to help you confidently diagnose, treat, and manage patient conditions. Problem-based approach outlines how to apply the latest clinical evidence directly to the conditions you'll encounter in practice. Pathophysiology is emphasized throughout, providing a sound basis for discussions of the diagnosis, treatment, and prognosis that follow. Body systems chapters begin with a thorough discussion of the diagnostic method appropriate to the system, including physical examination, clinical pathology, radiography, endoscopy, and ultrasonography. Flow charts, diagrams, and algorithms clarify complex material. Extensive content updates help you improve patient care with up-to-date research and clinical evidence across the full spectrum of equine practice, including: New sections on biofilm adhesins, resistance to phagocytosis, and host substrate utilization New information on changes in body weight Recent findings on firocoxib and diclofenac Expanded and reorganized coverage of critical care New material on inborn errors of metabolism and acquired myopathies Detailed treatment information on various disorders of the reproductive tract A new section on toxicoses causing signs related to liver disease or dysfunction Bound-in companion DVD includes more than 120 high-quality video clips that guide you through procedures related to the cardiovascular and neurologic systems.

Bovine Reproduction Richard M. Hopper 2021-04-30 *Bovine Reproduction* A complete resource for practical, authoritative information on all aspects of bovine theriogenology The newly

revised Second Edition of Bovine Reproduction delivers a comprehensive overview of all major issues in bovine reproduction. Written by leading experts in the subject, the book is an indispensable reference for any veterinarian dealing with bovine fertility. Bovine Reproduction is divided into sections on the bull, the cow, the neonate, and assisted reproduction techniques. New chapters cover new gene manipulation technologies, managing problem donors, lameness, and more. Outdated and redundant information from the First Edition has been removed and replaced by coverage of new diseases, technologies, procedures, techniques, and approaches to fertility problems. A new companion website provides images and tables from the book in PowerPoint format. In addition to more than 675 full-color images, readers will also benefit from:

- A thorough discussion of the anatomy and physiology of the bull, including the endocrine and exocrine function of bovine testes and the thermoregulation of the testes
- An exploration of breeding and health management of bulls, including the evaluation of breeding soundness and ultrasound examination of the reproductive tract
- An examination of the anatomy, physiology, and the breeding and health management of cows, including fetal programming, the reproductive tract microbiome, and a section on obstetrics and reproductive surgery
- A review of the management of both critical care of the neonate and effective colostrum assessment and provision
- An introduction to assisted and advanced reproductive technologies

A practical and comprehensive reference, Bovine Reproduction is a must-have purchase for bovine practitioners, theriogenologists, animal scientists, veterinary students, and residents with an interest in cattle.

Equine Reproductive Procedures John Dascanio 2021-02-17

This fully updated guide examines techniques in equine theriogenology. The second edition of Equine Reproductive Procedures provides equine practitioners, veterinary students, and equine theriogenologists with a fully updated, practical guide to techniques in equine reproductive practice. This easy-to-use

resource covers skills-based information with a clinical focus, taking an easy-to-follow step-by-step approach. The book covers topics related to the reproductive management of horses, including diagnostic techniques and therapeutic procedures for stallions, mares, and foals. Procedures highlighted in the book are supported with clear descriptions and photographs. Readers will also find a list of required supplies for the procedure and a reference list. · Provides step-by-step descriptions of techniques related to equine theriogenology · Serves as a valuable practice tool · Offers 39 new techniques not found in the first edition · Includes key updates to existing techniques Those studying equine reproduction and specialists in theriogenology will find this an essential 'how-to' guide for their practice library.