

Bovine Meat Inspection Anatomy Physiology And Disease Conditions

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Merck Veterinary Manual Susan E. Aiello 2000 For more than forty years, animal health professionals have turned to the Merck Veterinary Manual for integrated, concise and reliable veterinary information. Now this manual covering the diagnosis, treatment, and prevention of diseases of companion, food and zoo animals is available on an easy-to-use, fully searchable CD-ROM. The CD includes the full text of The Merck Veterinary Manual 8/e and has been enhanced with picture links featuring original anatomical artwork and numerous clinical and diagnostic illustrations, table links and quick search links that provide quick access to cross referenced text.

Poultry Inspection Andy Grist 2018-08

Meat Science P. D. Warriss 2010 Outlining the core principles of the subject, this introductory-level textbook covers the production of meat, its structure and chemical composition, meat quality and hygiene, and animal welfare, handling and slaughter. The new edition has been updated to cover significant advances such as the process of conditioning, leading to the tenderization of meat, and new coverage of the use of molecular genetic techniques to try to select animals for improved meat quality. It is an essential text for students and professionals in food science and technology, those working in the meat industry, meat inspectors, and vets. * New larger format in two colors throughout * Fully revised and updated including new coverage of genomics * Carefully selected references and titles for further reading

Goat Medicine and Surgery David Harwood 2018-03-20 As textbooks go, this is one of the few that I may actually choose to read in a spare moment, not just when madly researching what could possibly be the problem when I get called to a goat farm. It contains interesting information on the background of goat farming, goat behaviour, nutrition and husbandry in the introductory section... This hardback, logically presented book will live on a handy shelf to be used on a regular basis. - Pam Brown, mixed practice vet at Alnorthumbria Vets, Wooler, in Veterinary Record, 27 April 2019

Key features: Covers both goat medicine and surgery Covers basic anatomy, common breeds and husbandry Includes new and emerging diseases Goats are one of the most widely kept domestic animals globally, mainly as a result of the relative ease with which they can be kept and the obvious benefits provided to those who keep them. Goat Medicine and Surgery describes the key diseases that can have an impact on goat health and welfare worldwide, providing information on diagnosis, treatment, prognosis, management and control. Covers basic anatomy, common breeds and husbandry. Divided into chapters covering each body system Offers the common differential diagnoses, followed by the specific diagnosis and recommended treatments Covers a wide range of disorders, including new and emerging diseases Modern goat keeping gives us a full spectrum of activity from nomadic tribes moving with their animals, to the range-keeping in Australia, to units fattening goat kids for meat and to intensive goat dairy production systems. Alongside these production systems are those in which goats are kept in small numbers as a hobby, as pets and at public attractions. This book deals with the diseases and challenges impacting all kinds of goats and their owners. It will be invaluable to veterinarians in practice and training, animal scientists and agricultural advisors, as well as scientists interested in animal welfare.

Nutrition and Climate Change J. D. Wood 2011-04-01 Meat production and consumption are increasing around the world and yet meat is criticised on the basis of its effects on human health and its damaging effects on the environment. This book summarises the latest information on the nutritional value of meat, its role in human health and its

contributions to greenhouse gas emissions. New production systems which will improve the nutritional value of meat and increase the efficiency of meat production, thereby minimising harmful effects on the environment, are discussed. The role of meat as a source of the valuable n-3 polyunsaturated fatty acids is considered and the case for organic meat production is made. Chapters consider the factors affecting the demand for meat and the challenges facing legislators in the areas of climate change, nutrition and sustainability of meat production. Finally, the increasing importance of international trade in meat and the need for a global response on nutrition and climate change issues are considered.

Handbook of Meat Inspection Robert von Ostertag 1904

Small-Scale Aquaponic Food Production Food and Agriculture Organization of the United Nations 2015-12-30 Aquaponics is the integration of aquaculture and soilless culture in a closed production system. This manual details aquaponics for small-scale production--predominantly for home use. It is divided into nine chapters and seven annexes, with each chapter dedicated to an individual module of aquaponics. The target audience for this manual is agriculture extension agents, regional fisheries officers, non-governmental organizations, community organizers, government ministers, companies and singles worldwide. The intention is to bring a general understanding of aquaponics to people who previously may have only known about one aspect.

Encyclopedia of Food Microbiology Carl A. Batt 2014-04-02 Written by the world's leading scientists and spanning over 400 articles in three volumes, the Encyclopedia of Food Microbiology, Second Edition is a complete, highly structured guide to current knowledge in the field. Fully revised and updated, this encyclopedia reflects the key advances in the field since the first edition was published in 1999. The articles in this key work, heavily illustrated and fully revised since the first edition in 1999, highlight advances in areas such as genomics and food safety to bring users up-to-date on microorganisms in foods. Topics such as DNA sequencing and E. coli are particularly well covered. With lists of further reading to help users explore topics in depth, this resource will enrich scientists at every level in academia and industry, providing fundamental information as well as explaining state-of-the-art scientific discoveries. This book is designed to allow disparate approaches (from farmers to processors to food handlers and consumers) and interests to access accurate and objective information about the microbiology of foods. Microbiology impacts the safe presentation of food. From harvest and storage to determination of shelf-life, to presentation and consumption. This work highlights the risks of microbial contamination and is an invaluable go-to guide for anyone working in Food Health and Safety. Has a two-fold industry appeal (1) those developing new functional food products and (2) to all corporations concerned about the potential hazards of microbes in their food products

Jubb, Kennedy & Palmer's Pathology of Domestic Animals - E-Book: Grant Maxie 2015-08-16 With an emphasis on the disease conditions of dogs, cats, horses, swine, cattle and small ruminants, Jubb, Kennedy, and Palmer's Pathology of Domestic Animals, 6th Edition continues its long tradition of being the most comprehensive reference book on common domestic mammal pathology. Using a body systems approach, veterinary pathology experts provide overviews of general system characteristics, reactions to insult, and disease conditions that are broken down by type of infectious or toxic insult affecting the anatomical subdivisions of each body system. The sixth edition now boasts a new full-color design, including more than 2,000 high-resolution images of normal and abnormal organs, tissues, and cells. Updated content also includes

evolved coverage of disease agents such as the Schmallenberg virus, porcine epidemic diarrhea virus, and the porcine deltacoronavirus; plus new information on molecular-based testing, including polymerase chain reaction (PCR) and in-situ hybridization, keep you abreast of the latest diagnostic capabilities. Updated content includes new and evolving pathogens and diagnostic techniques. Updated bibliographies give readers new entry points into the rapidly expanding literature on each subject. NEW! High-resolution color images clearly depict the diagnostic features of hundreds of conditions. NEW! Introduction to the Diagnostic Process chapter illustrates the whole animal perspective and details the approaches to systemic, multi-system, and polymicrobial disease. NEW! Coverage of camelids is now included in the reference's widened scope of species. NEW! Team of 30+ expert contributors offers the latest perspective on the continuum of issues in veterinary pathology. NEW! Expanded resources on the companion website include a variety of helpful tools such as full reference lists with entries linked to abstracts in Pub Med and bonus web-only figures. NEW! Full-color design improves the accessibility of the text.

Critical Needs for Research in Veterinary Science National Research Council 2005-10-18 Research in veterinary science is critical for the health and well-being of animals, including humans. Food safety, emerging infectious diseases, the development of new therapies, and the possibility of bioterrorism are examples of issues addressed by veterinary science that have an impact on both human and animal health. However, there is a lack of scientists engaged in veterinary research. Too few veterinarians pursue research careers, and there is a shortage of facilities and funding for conducting research. This report identifies questions and issues that veterinary research can help to address, and discusses the scientific expertise and infrastructure needed to meet the most critical research needs. The report finds that there is an urgent need to provide adequate resources for investigators, training programs, and facilities involved in veterinary research.

Ovine Meat Inspection Andy Grist 2010 This book forms part of a series that has been designed to provide a study aid for students undertaking the Royal Society for the Promotion of Health Red Meat Inspection Certificate and other courses where knowledge of ovine meat inspection is required such as those for Environmental Health Officers and Official Veterinary Surgeons and students undertaking Veterinary Public Health courses. It is hoped that it may also provide information in a 'user friendly' format for abattoir owners and producers as to the nature of rejections recorded by inspectors. Wherever possible, photographs illustrating anatomical features and conditions have been included, the latter generally depicting severe examples of conditions. This is a conscious decision, arrived at after giving numerous lectures on meat inspection where I learnt that no two people would describe something the same way.

The Woody Plant Seed Manual United States. Forest Service 2008
Manual on Meat Inspection for Developing Countries Drago Carl Herenda 1994

Pyrrhic Progress Claas Kirchhelle 2020-01-17 Pyrrhic Progress analyses over half a century of antibiotic use, regulation, and resistance in US and British food production. Mass-introduced after 1945, antibiotics helped revolutionize post-war agriculture. Food producers used antibiotics to prevent and treat disease, protect plants, preserve food, and promote animals' growth. Many soon became dependent on routine antibiotic use to sustain and increase production. The resulting growth of antibiotic infrastructures came at a price. Critics blamed antibiotics for leaving dangerous residues in food, enabling bad animal welfare, and selecting for antimicrobial resistance (AMR) in bacteria, which could no longer be treated with antibiotics. Pyrrhic Progress reconstructs the complicated negotiations that accompanied this process of risk prioritization between consumers, farmers, and regulators on both sides of the Atlantic. Unsurprisingly, solutions differed: while Europeans implemented precautionary antibiotic restrictions to curb AMR, consumer concerns and cost-benefit assessments made US regulators focus on curbing drug residues in food. The result was a growing divergence of antibiotic stewardship and a rise of AMR. Kirchhelle's comprehensive analysis of evolving non-human antibiotic use and the historical complexities of antibiotic stewardship provides important insights for current debates on the global burden of AMR.

WHO/FAO/OIE Guidelines for the Surveillance, Prevention and Control of Taeniosis/cysticercosis K. D. Murrell 2005

Occupational Outlook Handbook United States. Bureau of Labor Statistics 1976

Edible Insects Arnold van Huis 2013 Edible insects have always been a

part of human diets, but in some societies there remains a degree of disdain and disgust for their consumption. Insects offer a significant opportunity to merge traditional knowledge and modern science to improve human food security worldwide. This publication describes the contribution of insects to food security and examines future prospects for raising insects at a commercial scale to improve food and feed production, diversify diets, and support livelihoods in both developing and developed countries. Edible insects are a promising alternative to the conventional production of meat, either for direct human consumption or for indirect use as feedstock. This publication will boost awareness of the many valuable roles that insects play in sustaining nature and human life, and it will stimulate debate on the expansion of the use of insects as food and feed.

Bovine Medicine Anthony H. Andrews 2008-04-15 Bovine Medicine provides practical and comprehensive information on cattle disease and production and is a key reference for all large animal vets. Since the first edition was published in 1991 there have been significant improvements in disease control and management of cattle. Almost all parts of the book have been updated and completely rewritten. There are new chapters on surgery, embryo transfer, artificial insemination, ethno-veterinary medicine and biosecurity, and a new consolidating chapter on the interaction between the animal, environment, management and disease. The previous edition has sold all over the world, and as a result of this a greater emphasis has been placed on conditions and their treatment in areas other than temperate regions. A new section entitled "Global Variation in Cattle Practice" has been included with contributors discussing bovine medicine practice in their part of the world. All in all this is an outstanding resource for any practising vet and an excellent reference for veterinary students.

Zoonotic Tuberculosis Charles O. Thoen 2014-02-12 Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria, Third Edition is a comprehensive review of the state of the art in the control and elimination of infections caused by Mycobacterium tuberculosis complex in animals and humans. This update to the most complete and current reference available on Mycobacterium bovis includes new coverage of the latest molecular techniques; more information on human infection and One Health; updates to the information on the International Union Against Tuberculosis and Lung Disease (IUATLD), the World Health Organization (WHO), Pan American Health Organization (PAHO), and the United States Department of Agriculture's (USDA) National Tuberculosis Eradication Program; and coverage of additional African countries. The Third Edition upholds the book's reputation as a truly global resource on M. bovis. Written by an international list of tuberculosis experts, chapters cover the status of tuberculosis in many regions throughout the world and deal with issues related to the detection, spread, and control of Mycobacterium bovis, as well as the economic impact of outbreaks. Zoonotic Tuberculosis: Mycobacterium bovis and Other Pathogenic Mycobacteria offers valuable information for public health officials, medical doctors, state and federal regulatory veterinarians, veterinary practitioners, and animal caretakers.

Bovine Meat Inspection Andy Grist 2008

Encyclopedia of Animal Science (Print) Wilson G. Pond 2004-11-16 PRINT/ONLINE PRICING OPTIONS AVAILABLE UPON REQUEST AT e-reference@taylorandfrancis.com

Animal Nutrition Philip Hynd 2019-11-01 Nutrition is the key driver of animal health, welfare and production. In agriculture, nutrition is crucial to meet increasing global demands for animal protein and consumer demands for cheaper meat, milk and eggs and higher standards of animal welfare. For companion animals, good nutrition is essential for quality and length of life. Animal Nutrition examines the science behind the nutrition and feeding of the major domesticated animal species: sheep, beef cattle, dairy cattle, deer, goats, pigs, poultry, camelids, horses, dogs and cats. It includes introductory chapters on digestion and feeding standards, followed by chapters on each animal, containing information on digestive anatomy and physiology, evidence-based nutrition and feeding requirements, and common nutritional and metabolic diseases. Clear diagrams, tables and breakout boxes make this text readily understandable and it will be of value to tertiary students and to practising veterinarians, livestock consultants, producers and nutritionists.

Introduction to Animal and Veterinary Anatomy and Physiology, 4th Edition Victoria Aspinall 2019-12-11 A sound knowledge of anatomy and physiology is an essential basis for the effective clinical treatment of companion animals and farm animals alike. The fourth edition of this

bestselling book continues to provide a comprehensive description of the anatomy and physiology of dogs and cats. The book builds on these foundations with detailed descriptions of exotic small species including birds, and domestic farm animals, including cows, sheep and pigs, as well as the horse.

Meat Inspection and Control in the Slaughterhouse Thimjos Ninios 2014-06-11 Meat inspection, meat hygiene and official control tasks in the slaughterhouse have always been of major importance in the meat industry, and are intimately related with animal diseases and animal welfare. The history of meat inspection has largely been a success story. Huge steps have been taken over more than a century to prevent the transmission of pathogenic organisms and contagious diseases from animals to humans. Various factors influence the quality and safety of meat including public health hazards (zoonotic pathogens, chemical substances and veterinary drugs), animal health and welfare issues during transport and slaughter. Meat inspection is one of the most important programs in improving food safety, and its scope has enlarged considerably over the last decades. Globalization has affected the complexity of the modern meat chain and has provided possibilities for food fraud and unfair competition. During the last two decades many food fraud cases have been reported, which have caused concern among consumers and the industry. Subsequently meat inspection is faced with new challenges. *Meat Inspection and Control in the Slaughterhouse* is an up-to-date reference book that responds to these changes and reflects the continued importance of meat inspection for the food industry. The contributors to this book are all international experts in the areas of meat inspection and the official controls limited to slaughterhouses, providing a rare insight into the international meat trade. This book will be of importance to students, professionals and members of the research community worldwide who aim to improve standards of meat inspection procedures and food safety.

Bovine Anatomy Klaus-Dieter Budras 2011-09-05 Die zweite englische Auflage dieses erfolgreichen Lehrbuches ist nun auch nach dem bewährten Konzept der „Budras-Atlanten“ durch namhafte Experten aus der Anatomie und der klinischen Medizin um die klinisch-funktionelle Anatomie erweitert. „This is a much-needed textbook-atlas that depicts bovine anatomy. It is appropriately organized such that it can easily be the single book that veterinarians refer to when an anatomic question needs to be answered about this species. It is most definitely worth the price.“ JAVMA - Journal of the American Veterinary Medical Association
Camel Meat and Meat Products Isam T. Kadim 2013-01-01 Camel meat has many benefits as a meat product. It has low fat content and is highly nutritious, and has potential to be used to combat hyperacidity, hypertension, pneumonia and respiratory disease. This book reviews up-to-date literature on camel meat and meat products, carcass and meat quality characteristics, muscle structure, post-mortem analysis and the nutritive value to humans. A comparatively small component of global meat consumption, camel meat has the potential to undergo an explosion of production worldwide, and currently farming for camel meat in Asia, Africa, Latin America and Australia is undergoing significant expansion. The potential of camel meat in helping to meet projected world food shortages, and being sustainably farmed, is also explored by the editors.
Ovine Meat Inspection A. Grist 2011-02-01 Particularly useful to veterinary surgeons and meat inspectors within the abattoir and lamb producers who will be receiving condemnation data from these establishments, this well-illustrated report focuses on sheep anatomy, diseases, and other conditions.

Game meat hygiene P. Paulsen 2017-02-02 Increased consumers' demand for game meat is driven by various motivations. In order to fulfil this demand for safe, wholesome and nutritious meat, management of wild game and establishment of adequate supply chains are required. Identification and assessment of hazards of biological and non-biological origin help to design and implement effective control measures. This requires cooperation of the stakeholders, of food safety authorities and scientists. Game meat safety extends from the wildlife-human interface to wildlife-livestock interactions, as regards transfer of pathogenic agents or transfer of residues. Thus, assurance of game meat hygiene is a multidisciplinary task, and involves tackling a variety of safety and quality issues for a number of species under diverse living conditions and modes of harvesting. This is reflected in the contents of this volume, with 19 contributions on free-living or farmed game and on invasive species, namely the warthog in South Africa. This volume is the third in a series on safety and quality assurance along the game meat chain, following a 'from forest to fork' approach. Like its predecessors, it is targeted at scientists in academia and industry, graduate students as well as to

governmental officials in veterinary public health and food safety.

Workforce Needs in Veterinary Medicine National Research Council 2013-11-17 The U.S. veterinary medical profession contributes to society in diverse ways, from developing drugs and protecting the food supply to treating companion animals and investigating animal diseases in the wild. In a study of the issues related to the veterinary medical workforce, including demographics, workforce supply, trends affecting job availability, and capacity of the educational system to fill future demands, a National Research Council committee found that the profession faces important challenges in maintaining the economic sustainability of veterinary practice and education, building its scholarly foundations, and evolving veterinary service to meet changing societal needs. Many concerns about the profession came into focus following the outbreak of West Nile fever in 1999, and the subsequent outbreaks of SARS, monkeypox, bovine spongiform encephalopathy, highly pathogenic avian influenza, H1N1 influenza, and a variety of food safety and environmental issues heightened public concerns. They also raised further questions about the directions of veterinary medicine and the capacity of public health service the profession provides both in the United States and abroad. To address some of the problems facing the veterinary profession, greater public and private support for education and research in veterinary medicine is needed. The public, policymakers, and even medical professionals are frequently unaware of how veterinary medicine fundamentally supports both animal and human health and well-being. This report seeks to broaden the public's understanding and attempts to anticipate some of the needs and measures that are essential for the profession to fulfill given its changing roles in the 21st century.

Porcine Inspection Andy Grist 2007 The fourth in the highly acclaimed series of Meat Inspection Handbooks. The full colour photographs make this another invaluable tool for all those for whom knowledge of porcine anatomy, diseases and other conditions is required, including veterinary surgeons and meat inspectors within the abattoir, and also producers who will be receiving condemnation data from these establishments.
Biology and Diseases of the Ferret James G. Fox 2014-03-26 *Biology and Diseases of the Ferret*, Third Edition has been thoroughly revised and updated to provide a current, comprehensive reference on the ferret. Encyclopedic in scope, it is the only book to focus on the characteristics that make the ferret an important research animal, with detailed information on conditions, procedures, and treatments. Offering basic information on biology, husbandry, clinical medicine, and surgery, as well as unique information on the use of ferrets in biomedical research, *Biology and Diseases of the Ferret* is an essential resource for investigators using ferrets in the laboratory and for companion animal and comparative medicine veterinarians. The Third Edition adds ten completely new chapters, covering regulatory considerations, black-footed ferret recovery, diseases of the cardiovascular system, viral respiratory disease research, morbillivirus research, genetic engineering, hearing and auditory function, vision and neuroplasticity research, nausea and vomiting research, and lung carcinogenesis research. Additionally, the anesthesia, surgery, and biotechnology chapter has been subdivided into three and thoroughly expanded. The book also highlights the ferret genome project, along with the emerging technology of genetically engineered ferrets, which is of particular importance to the future of the ferret as an animal model in research and will allow the investigation of diseases and their genetic basis in a small, easily maintained, non-rodent species.

Color Atlas of Diseases and Disorders of the Sheep and Goat Karl A. Linklater 1993 The sheep and goat are important to the economies of many countries worldwide through the production of wool, meat and milk. Often raised in open extensive systems, flocks are highly susceptible to outbreaks of disease, and quick recognition of ill-health is a high priority for husbandrymen and for the veterinarians advising them.

Lawrie's Meat Science R. A. Lawrie 2014-01-23 *Lawrie's Meat Science* has established itself as a standard work for both students and professionals in the meat industry. Its basic theme remains the central importance of biochemistry in understanding the production, storage, processing and eating quality of meat. At a time when so much controversy surrounds meat production and nutrition, *Lawrie's meat science*, written by Lawrie in collaboration with Ledward, provides a clear guide which takes the reader from the growth and development of meat animals, through the conversion of muscle to meat, to the point of consumption. The seventh edition includes details of significant advances in meat science which have taken place in recent years, especially in areas of eating quality of meat and meat biochemistry. A standard

reference for the meat industry Discusses the importance of biochemistry in production, storage and processing of meat Includes significant advances in meat and meat biochemistry

The Necropsy Book John McKain King 2007

Neurology in Africa William P. Howlett 2015-08-20 This practical, comprehensive and highly illustrated book will be invaluable to students and doctors of neurology and internal medicine in Africa.

The Anatomy of the Sheep Neil D. S. May 1970

Gracey's Meat Hygiene David S. Collins 2015-01-20 Gracey's Meat Hygiene, Eleventh Edition is the definitive reference for veterinarians working in meat hygiene control. This new edition of a classic text reflects the recent significant changes in science, legislation and practical implementation of meat hygiene controls in the UK, Europe and worldwide since the 10th edition was published in 1999. An excellent practical guide for teaching food hygiene to veterinary students worldwide, in addition to laying the foundations of food animal anatomy, pathology and disease. New chapters address the increased concern of both the public and inspectors to issues of animal welfare and recognise the role of the profession, and interest from the consumer, in environmental protection. Key features include: Fully updated new edition, in a refreshed design with colour photographs and illustrations throughout. Includes new content on meat hygiene inspection covering the components of an integrated food safety management system as well as animal health and welfare controls in the 'farm to fork' system. A practical approach to health and safety in meat processing is outlined by identifying the hazards and then describing how these can best be controlled. With contributions from veterinary and industry experts, this edition is both a valuable teaching aid and a practical reference for veterinarians and all food business operators and their staff.

Biosecurity in Animal Production and Veterinary Medicine Jeroen Dewulf 2019-12-01 Globally, the way the animal production industry copes with

infectious diseases is changing. The (excessive) use of antimicrobials is under debate and it is becoming standard practice to implement thorough biosecurity plans on farms to prevent the entry and spread of pathogenic micro-organisms. Not only in farm animal production, but also in facilities where companion animals are kept, including in veterinary practices and clinics, awareness of the beneficial implications of a good biosecurity plan has raised. The book *Biosecurity in Animal Production and Veterinary Medicine* is the first compilation of both fundamental aspects of biosecurity practices, and specific and practical information on the application of the biosecurity measures in different animal production and animal housing settings.

The One-humped Camel (Camelus Dromedarius) in Eastern Africa H. J. Schwartz 1992

Gastrointestinal Physiology Menizibeya Osain Welcome 2018-06-20 This book offers one of the most comprehensive reviews in the field of gastrointestinal (GI) physiology, guiding readers on a journey through the complete digestive tract, while also highlighting related organs and glandular systems. It is not solely limited to organ system physiology, and related disciplines like anatomy and histology, but also examines the molecular and cellular processes that keep the digestive system running. As such, the book provides extensive information on the molecular, cellular, tissue, organ, and system levels of functions in the GI system. Chapters on the roles of the gut as an endocrine, exocrine and neural organ, as well as its microbiome functions, broaden readers' understanding of the multi-organ networks in the human body. To help illustrate the interconnections between the physiological concepts, principles and clinical presentations, it outlines clinical examples such as pathologies that link basic science with clinical practice in special "clinical correlates" sections. Covering both traditional and contemporary topics, it is a valuable resource for biomedical students, as well as healthcare and scientific professionals.