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*One Health: The Human-Animal-Environment Interfaces in Emerging Infectious Diseases*  
*Viral Infections and Global Change*  
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*Transboundary Animal Diseases in Sahelian Africa and Connected Regions*  
*Oxford Textbook of Global Public Health*  
*Oxford Textbook of Nature and Public Health*  
*Oxford Textbook of Creative Arts, Health, and Wellbeing*  
*Dogs, Zoonoses and Public Health*  
*Oxford Textbook of Public Health: Investigative methods in public health*  
*Veterinary Medicine - E-BOOK*  
*Global Virology I - Identifying and Investigating Viral Diseases*

*This volume concentrates on the recent scientific advancements in agricultural biotechnology and reintegrates it with socio-economic, industrial and intellectual property aspects of agricultural biotechnology and its implications for accomplishing the sustainable development goals. Adopting a unique approach, this book amalgamates science and business perspectives from an insider's viewpoint on the agro-biotech industry, laying the foundations for students and professionals alike. This book: Is a first of its kind by addressing the recent issues emerging in agro-based economies. Will be a single-point source for recent advancements in agro-based global bioeconomy. Empowers the utilization of biotechnology to address worldwide ecological issues by supporting sustainable resolutions for global agricultural markets. Gives both foundational hypothesis and functional direction on commercialization and regulatory issues. Empowers the usage of adaptable approaches that can adjust to and uphold socially and financially valuable agro-based technologies. Divided into three sections along the lines of bacteriology, parasitology and virology, this book comprehensively provides a systematic, cross disciplinary approach to the science and control of all zoonoses, written by international specialists in human and veterinary medicine. This book includes selected peer-reviewed chapters which cover novel aspects of cysticercosis and neurocysticercosis written by well known international researchers, representing the most relevant Working Group for Cysticercosis of Mexico, Peru, Ecuador, most of the Eastern and Southern Africa countries and Europe plus other contributions from Canada and United States of America. Unfortunately, our colleagues from Asia could not participate in this project for several reasons but we hereby acknowledge their contribution to the scientific level reached by the international scientific community. Apart from the classic issue that cannot be missing in any book about cysticercosis/ neurocysticercosis, we introduced a new hypotheses and novel aspects on historical background, clinical descriptions, investigations, and treatment modalities related to this zoonotic parasitic disease as a leading cause of epilepsy in developing countries. We are looking forward with confidence and pride in the vital role that this book will play for a new vision and mission. Human Diseases from Wildlife presents information on the most prevalent and serious zoonotic diseases in the US and Canada, some of which have been national headline news like anthrax, influenza, and West Nile virus. Diseases that are caused by pathogens with the ability to infect both humans and animals are known as*

zoonotic diseases, which literature Zika Virus provides an authoritative account of one of most fascinating viruses of the 21st century, covering all the main points. It includes coverage of clinical manifestations, such as fever and fatigue, but also delves into neurological manifestations like acute demyelinating neuropathy. In addition, the book discusses new evidence that suggests that Zika fever in pregnant women can cause abnormal brain development in fetuses by mother-to-child transmission. The Zika virus infection has become one of the first where women are actively discouraged from getting pregnant. Readers will find this book to be a comprehensive resource on the topic. Covers every important aspect of the Zika virus disease, from biological, to social and economic impacts Focuses on women's health issues that have surfaced, including birth defects in newborns Written in an easy to comprehend manner, with technical terms clearly defined in chapters that highlight genetics Eine völlig neue Sicht auf unsere bepelzten und gefiederten Verwandten Klinisch depressive Gorillas, Rennmäuse, die sich nachts heimlich vollfressen, und von halluzinogenen Pilzen betörte Rentiere. Die Tiere, die im Urwald, im Meer oder in unserer Wohnung leben, werden manchmal krank an Leib und Seele – genau wie wir. Tierärzte sehen und behandeln diese Erkrankungen bei einer Vielzahl verschiedener Arten, und die meisten Humanmediziner ignorieren das bis heute. Das ist ein riesiger blinder Fleck, denn wir könnten die Gesundheit aller Arten verbessern, wenn wir wüssten, wie Tiere in ihrem natürlichen Umfeld leben und sterben, krank und wieder gesunde werden. This book provides readers with information on the factors underlying the emergence of infectious diseases originating in animals and spreading to people. The One Health concept recognizes the important links between human, animal, and environmental health and provides an important strategy in epidemic mitigation and prevention. The essential premise of the One Health concept is to break down the silos among the different health professions and promote transdisciplinary collaborations. These concepts are illustrated with in-depth analyses of specific zoonotic agents and with examples of the successes and challenges associated with implementing One Health. The book also highlights some of the challenges societies face in confronting several specific zoonotic diseases. A chapter is included on comparative medicine to demonstrate the broad scope of the One Health concept. Edited by a team including the One Health Initiative pro bono members, the book is dedicated to those studying zoonotic diseases and comparative medicine in both human and veterinary medicine, to those involved in the prevention and control of zoonotic infections and to those in the general public interested in the visionary field of One Health. Echinococcus and Echinococcosis, Part B, Volume 96 presents a complete synthesis on what is known about the parasitic cestode echinococcus and the disease it causes, echinococcosis (Hydatid Disease), demonstrating that, in addition to its medical, veterinary, and economic significance, it is also an intriguing biological phenomenon. Both parts build on the success of a previous volume—Echinococcus and Hydatid Disease, edited by R.C.A. Thompson and A.J. Lymbery, and published by CAB International—that details the major advances that have taken place since its release. The book remains the only comprehensive account embracing virtually all aspects of echinococcus and the disease it causes. The links between laboratory knowledge and field applications are emphasized throughout the volumes. Consequently, research workers, teachers, students of parasitology, clinicians, and field workers will find this work an indispensable source of information. Presents the expertise of contributors who are renowned in the field Covers all aspects of echinococcus and echinococcosis, from basic and applied biology, through diagnosis and control, to clinical aspects Examines major advances in the field since the last volume was published Divided into three sections along the lines of bacteriology parasitology and virology, this book comprehensively provides a systematic, cross disciplinary approach to the science and control of all zoonoses, written by international specialists in human and veterinary medicine. Maternal and child morbidity and mortality affect women and children all over the world. In low resource settings, it is often the result of an illness which under other circumstances would be preventable and treatable. The disease burden predominately occurs in developing countries, but the dangers facing women and children are global issues. To improve conditions for women and children everywhere, we must address maternal and child health in their own right, and ask how they affect each other. The

*Oxford Textbook of Global Health of Women, Newborns, Children, and Adolescents is a comprehensive study of the cycle of life. The development of children is traced from pre-natal through to newborns, childhood, and adolescence. Posing child health against maltreatment, injury, and malnutrition, this book asks uncomfortable but necessary questions, and discusses how to influence policy and inspire change. Following women from adolescence to motherhood, it discusses sexual and reproductive health, HIV, injury, pregnancy, mental health, and much more. With examples from high- and low-resource settings presented by experts in the field, the Oxford Textbook of Global Health of Women, Newborns, Children, and Adolescents is a unique resource for medical practitioners everywhere. Divided into eight sections, it takes a life course approach to female health. With a clear structure, helpful illustrations, and study questions at the end of each chapter, it is an easy to use manual for healthcare workers treating patients in the clinic and out in the field. Through its descriptions of the main challenges and explanations of the key theories in the field, this is the ideal textbook for medical students in paediatrics, obstetrics, nursing, midwifery, and other related areas. Looking to the future, it is also an invaluable starting point for policymakers and anyone with a general interest in the subject area.*

*Echinococcus and Echinococcosis Part A and B present a complete synthesis on what is known about the parasitic cestode echinococcus and the disease it causes, echinococcosis (Hydatid Disease), also demonstrating that in addition to its medical, veterinary, and economic significance, it is an intriguing biological phenomenon. Both parts build on the success of a previous volume, Echinococcus and Hydatid Disease, edited by R.C.A. Thompson and A.J. Lymbery, and published by CAB International, that details the major advances that have taken place since its release. As such, it remains the only comprehensive account that embraces virtually all aspects of echinococcus and the disease it causes. The links between laboratory knowledge and field applications are emphasized throughout the volumes. Consequently, research workers, teachers, students of parasitology, clinicians, and field workers will find this work an indispensable source of information. Presents the expertise of contributors who are renowned in the field. Covers all aspects of cchinococcus and echinococcosis, from basic and applied biology, through diagnosis and control, to clinical aspects.*

*Parasitologie für Studium, Weiterbildung und Praxis. Der Klassiker der Veterinärparasitologie ist nicht nur ideal für die Prüfungsvorbereitung, sondern auch maximal praxisrelevant. - Das ePub ermöglicht leichtes und strukturiertes Lernen durch klare Gliederung des Stoffes und praktische Zusammenfassungen der Kapitel. - Alle relevanten Protozoen, Helminthen und Arthropoden werden als Ursachen parasitärer Erkrankungen oder als Überträger von Erregern dargestellt. - Tierartspezifische Übersichten zu Therapie- und Bekämpfungsmaßnahmen sorgen für schnelle Orientierung. Auch Zoonosen und der Befall von Lebensmitteln mit Parasiten werden behandelt. - Einprägsame Entwicklungszyklen sowie hervorragende Farbfotos der klinischen Symptome und pathologischen Veränderungen veranschaulichen den Inhalt. - Diagnostische Tafeln ermöglichen die schnelle Differenzierung der Entwicklungsstadien unter dem Mikroskop. - Alle Inhalte wurden vollständig aktualisiert und auf den Lehrplan abgestimmt.*

*Parasitologie - gewusst wie*

*One Health addresses health challenges arising from the intertwined spheres of humans, animals and ecosystems. This handbook is the product of an interdisciplinary effort to provide science-based guidance for the evaluation of One Health and other integrated approaches to health. It guides the reader through a systems approach and framework to evaluate such approaches in a standardised way. It provides an overview of concepts and metrics from health and life sciences, social sciences, economics, and ecology that are relevant for the evaluation of the processes involved, as well as the characterisation of expected and unexpected outcomes of One Health initiatives. Finally, the handbook provides guidance and practical protocols to help plan and implement evaluations in order to generate new insights and provide meaningful information about the value of One Health. The handbook is intended for practitioners, researchers, evaluators as well as funders of integrated approaches to health and beyond.*

*One Health is an emerging concept that aims to bring together human, animal, and environmental health. Achieving harmonized approaches for disease detection and prevention is difficult because traditional boundaries of medical and veterinary practice must be crossed. In the*

19th and early 20th centuries this was not the case—then researchers like Louis Pasteur and Robert Koch and physicians like William Osler and Rudolph Virchow crossed the boundaries between animal and human health. More recently Calvin Schwabe revised the concept of One Medicine. This was critical for the advancement of the field of epidemiology, especially as applied to zoonotic diseases. The future of One Health is at a crossroads with a need to more clearly define its boundaries and demonstrate its benefits. Interestingly the greatest acceptance of One Health is seen in the developing world where it is having significant impacts on control of infectious diseases. Helminths are long-lived multicellular organisms that have co-evolved with humans over many thousands of years. They are responsible for infections which affect around one third of the human population, at global level. Despite the huge efforts in research during the last years, effective control of helminth infections is still far from optimal standards and the resulting diseases remain neglected. This book aims to give an up-to-date overview to the epidemiology (including molecular typing), specific biological, immunological and immunopathological aspects, diagnosis and perspectives of control of the most common helminth infections. This book provides trajectories and illustrations of viruses that have catapulted into the global arena (linked to humans, animals, and vectors) due to human behaviors in recent years, as well as viruses that have already shown expansion among humans, animals, and vectors just a few decades ago. Topics in the current book include: vaccines environmental impact emerging virus transmission Filovirus (Ebola) hemorrhagic fevers flaviviruses Dengue evasion papillomaviruses Hepatitis C Nipah virus giant viruses hantaviruses bunyaviruses encephalitides West Nile virus Zika virus XMRV henipaviruses human respiratory syncytial virus influenza A virus several aspects of HIV-1 Parasitic zoonoses or parasitic infections transmitted from animals to humans are likely to become increasingly important in the spectrum of emergent and re-emergent diseases for both developed and developing countries. Tapeworm zoonoses form an important group of such pathogens and are being recognized more and more as a public health problem in Europe, Central Asia, the Middle East, sub-Saharan Africa, Latin America and the USA. Neurovirology is an interdisciplinary field representing a melding of virology, clinical neuroscience, molecular pathogenesis, diagnostic virology, molecular biology, and immunology. Neuroviral Infections: RNA Viruses and Retroviruses presents an up-to-date overview of the general principles of infections and major neuroviral infections caused by RNA viruses and retroviruses. It is designed for virologists, specialists in infectious diseases, teachers of virology, and postgraduate students of medicine, virology, neurosciences, and immunology. Human beings have always been affected by their surroundings. There are various health benefits linked to being able to access to nature; including increased physical activity, stress recovery, and the stimulation of child cognitive development. The Oxford Textbook of Nature and Public Health provides a broad and inclusive picture of the relationship between our own health and the natural environment. All aspects of this unique relationship are covered, ranging from disease prevention through physical activity in green spaces to innovative ecosystem services, such as climate change adaptation by urban trees. Potential hazardous consequences are also discussed including natural disasters, vector-borne pathogens, and allergies. This book analyses the complexity of our human interaction with nature and includes sections for example epigenetics, stress physiology, and impact assessments. These topics are all interconnected and fundamental for reaching a full understanding of the role of nature in public health and wellbeing. Much of the recent literature on environmental health has primarily described potential threats from our natural surroundings. The Oxford Textbook of Nature and Public Health instead focuses on how nature can positively impact our health and wellbeing, and how much we risk losing by destroying it. The all-inclusive approach provides a comprehensive and complete coverage of the role of nature in public health, making this textbook invaluable reading for health professionals, students, and researchers within public health, environmental health, and complementary medicine. With the world's growing population, the provision of a safe, nutritious and wholesome food supply for all has become a major challenge. To achieve this, effective risk management based on sound science and unbiased information is required by all stakeholders, including the food industry, governments and

consumers themselves. In addition, the globalization of the food supply requires the harmonization of policies and standards based on a common understanding of food safety among authorities in countries around the world. With some 280 chapters, the *Encyclopedia of Food Safety* provides unbiased and concise overviews which form in total a comprehensive coverage of a broad range of food safety topics, which may be grouped under the following general categories: History and basic sciences that support food safety; Foodborne diseases, including surveillance and investigation; Foodborne hazards, including microbiological and chemical agents; Substances added to food, both directly and indirectly; Food technologies, including the latest developments; Food commodities, including their potential hazards and controls; Food safety management systems, including their elements and the roles of stakeholders. The *Encyclopedia* provides a platform for experts from the field of food safety and related fields, such as nutrition, food science and technology and environment to share and learn from state-of-the-art expertise with the rest of the food safety community. Assembled with the objective of facilitating the work of those working in the field of food safety and related fields, such as nutrition, food science and technology and environment - this work covers the entire spectrum of food safety topics into one comprehensive reference work. The Editors have made every effort to ensure that this work meets strict quality and pedagogical thresholds such as: contributions by the foremost authorities in their fields; unbiased and concise overviews on a multitude of food safety subjects; references for further information, and specialized and general definitions for food safety terminology. In maintaining confidence in the safety of the food supply, sound scientific information is key to effectively and efficiently assessing, managing and communicating on food safety risks. Yet, professionals and other specialists working in this multidisciplinary field are finding it increasingly difficult to keep up with developments outside their immediate areas of expertise. This single source of concise, reliable and authoritative information on food safety has, more than ever, become a necessity. Wie selbstverständlich gehen wir davon aus, dass die neolithische Revolution, in deren Verlauf Nomaden zu Ackerbauern und Viehzüchtern wurden, ein bedeutender zivilisatorischer Fortschritt war. James C. Scott entwickelt in seinem provokanten Buch eine ganz andere These: Die ersten Staaten entstanden aus der Kontrolle über die Reproduktion und errichteten ein hartes Regime der Domestizierung und Unterwerfung, das Epidemien, Ungleichheiten und Kriege mit sich brachte. Einzig die »Barbaren« – die heimlichen Helden dieses Buches – haben sich der Sesshaftigkeit sowie den neuen Besteuerungssystemen verweigert und sich damit gegen die Mühlen der Zivilisation gestemmt. Zoonotic diseases constitute a public health problem throughout the world. Addressing a little studied area of veterinary and medical science, this book covers the viruses, bacteria and protozoan and helminth parasites that are transmitted between man and dogs, discussing population management, control disease agents and human-dog relationships. Fully updated throughout, this new edition also includes two new chapters on benefits of the human-dog relationship and non-infectious disease issues with dogs. It is a valuable resource for researchers and students of veterinary and human medicine, parasitology and public health. First published in 1963, *Advances in Parasitology* contains comprehensive and up-to-date reviews in all areas of interest in contemporary parasitology. *Advances in Parasitology* includes medical studies on parasites of major influence, such as *Plasmodium falciparum* and trypanosomes. The series also contains reviews of more traditional areas, such as zoology, taxonomy, and life history, which shape current thinking and applications. Eclectic volumes are supplemented by thematic volumes on various topics, including control of human parasitic diseases and global mapping of infectious diseases. The 2009 impact factor is 6.231. Contributions from leading authorities and industry experts. Informs and updates on all the latest developments in the field. Infektionserreger der besonderen Art: Malaria, Schlafkrankheit, Würmer und Zecken. Die Autoren bieten auf Grundlage der aktuellen Systematik eine Übersicht über die Biologie parasitärer Einzeller, Würmer und Arthropoden. In Querschnittskapiteln sprechen sie die Besonderheiten der parasitischen Lebensweise an. Am Beispiel typischer Vertreter stellen sie die Lebenskreisläufe und immunologische sowie molekulare Aspekte dar. Sie behandeln sowohl die Krankheiten der Tiere als auch die des Menschen. Anschauliche Abbildungen ergänzen den Text. Eine weitere

wertvolle Ergänzung sind die klinischen Bilder der Krankheiten sowie Prüfungsfragen am Ende eines jeden Kapitels. Mit diesem Lehrbuch sind Sie gut gerüstet!

*The Oxford Textbook of Medicine: Infection* is selected from the infection section of the renowned Oxford Textbook of Medicine, Fifth Edition. The book is an authoritative resource on infectious diseases. Comprehensive in its coverage and beautifully illustrated in full colour, it is an essential guide to the present-day management and prevention of a wide variety of infectious diseases. Covering diseases that are both familiar and tropical as well as those that continue to emerge, medical professionals will find it immensely valuable when diagnosing and preventing infection in their day-to-day practice. In 121 chapters, experts in infectious diseases from across the world review the essentials of current infectious disease practice and provide a wealth of practical advice that medical professionals can use in clinical situations. In addition, background information on epidemiology, pathogenesis and pathophysiology encourages a fuller understanding of conditions, and over 250 full colour images help with diagnosis when treating patients. A commanding discussion of infectious diseases from both Western and tropical countries, the Oxford Textbook of Medicine: Infection provides detailed information on a extensive range of viruses, bacteria, fungi, protozoa and helminths. Vast in scope and truly global in reach, chapters span a variety of topics including, pathogenic microorganisms and the host, the patient with suspected infection, travel and expedition medicine, and non-venomous arthropods. They reflect the globalization of disease that has resulted from the unprecedented increase in international travel and immigration, as well as natural/man-made disasters that demand massive international aid efforts. This up-to-date and essential reference tool, supports all medical professionals in the treatment and prevention of infectious diseases. It will be of particular value to clinicians working in, or seeing patients from the developing world, due to the wide range of pathogens discussed. It also supports those taking diploma courses in Tropical Medicine and Hygiene, and HIV medicine. No infectious disease specialist or trainee should be without a copy of this definitive resource.

First published in 1963, *Advances in Parasitology* contains comprehensive and up-to-date reviews in all areas of interest in contemporary parasitology. *Advances in Parasitology* includes medical studies of parasites of major influence, such as *Plasmodium falciparum* and trypanosomes. The series also contains reviews of more traditional areas, such as zoology, taxonomy, and life history, which shape current thinking and applications. The 2013 impact factor is 4.36

*Informa* and updates on all the latest developments in the field. Contributions from leading authorities and industry experts. The fifth edition includes:

- for the first time, stunning color photographs throughout
- chapters rearranged and grouped to best reflect phylogenetic relationships, with updated numbers of genera and species for each family
- updated mammalian structural and functional adaptations, as well as ordinal fossil histories
- recent advances in mammalian phylogeny, biogeography, social behavior, and ecology, with 12 new or revised cladograms reflecting current research findings
- new breakout boxes on novel or unique aspects of mammals;
- new work on female post-copulatory mate choice, cooperative behaviors, group defense, and the role of the vomeronasal system
- discussions of the current implications of climate change and other anthropogenic factors for mammals

Maintaining the accessible, readable style for which Feldhamer and his coauthors are well known, this new edition of *Mammalogy* is the authoritative textbook on this amazingly diverse class of vertebrates. *Treat the diseases affecting large animals!* *Veterinary Medicine, 11th Edition* provides up-to-date information on the diseases of horses, cattle, sheep, goats, and pigs. Comprehensive coverage includes the principles of clinical examination and making a diagnosis, along with specific therapy recommendations. For easier use, this edition has been divided into two volumes and restructured into a logical, anatomically based approach to disease. From internationally known veterinary experts Peter Constable, Kenneth Hinchcliff, Stanley Done, and Walter Grünberg, this book is the definitive, one-stop reference for farm animal and equine care. Comprehensive coverage includes information essential to any large-animal veterinarian, especially those working with horses, cattle, sheep, goats, or pigs. Coverage of diseases addresses major large-animal diseases of all countries, including foreign animal and emerging diseases. User-friendly format makes it easier to quickly absorb key information. Quick

review/synopsis sections make important information on complex diseases easy to find. NEW! Convenient, easy-access format is organized by organ systems, and divides the content into two compact volumes with the same authoritative coverage. Nearly 200 new color photographs and line drawings are included in this edition. NEW full-color design improves navigation, clarifies subject headings, and includes more boxes, tables, and charts for faster reference. New Diseases Primarily Affecting the Reproductive System chapter is added. Updated and expanded chapter on pharmacotherapy lists therapeutic interventions and offers treatment boxes and principles of antibiotic use. Expanded sections on herd health include biosecurity and infection control, and valuable Strength of Evidence boxes. NEW or extensively revised sections include topics such as the Schmallenberg and Bluetongue viral epidemics of ruminants in Europe, Wesselsbron disease in cattle, hypokalemia in adult cattle, equine multinodular pulmonary fibrosis, Hendra virus infection, porcine reproductive and respiratory syndrome, torqueto virus, and numerous recently identified congenital and inherited disorders of large animals. Additional content is provided on lameness in cattle and the diseases of cervids. The Oxford Textbook of Global Public Health is the ultimate resource on the subject of public health and epidemiology. It offers a global and comprehensive perspective on wide-ranging public health needs and priorities in modern health care. Thoroughly revised and updated for the seventh edition, the book is split into three main topics. 'The Scope of Public Health' covers the development of the discipline, determinants of health and disease, and policies, law, and ethics. The second volume focuses on The Methods of Public Health, including the science of epidemiology, social science techniques, and environmental techniques. Finally, The Practice of Public Health is fully explored, with sections on specific public health problems, ways of prevention and control, the varying needs of different populations, and the functions of public health services and professionals. Three new editors have joined for this edition, Liming Li (China), Fran Baum (Australia), and Alastair H Leyland (UK), complimenting Quarraisha Abdool Karim (South Africa) and Roger Detels (USA), for a truly global perspective on public health. Featuring over 225 contributors from countries all over the world ensures that the book covers public health from all aspects, with vastly different health systems and priorities. Featuring new chapters on gender identity and gender-based violence, environmental health and climate change, genomics and epidemiology, and emerging and re-emerging infectious diseases, the seventh edition of the Oxford Textbook of Global Public Health remains the most comprehensive text on the subject and is a vital resource for public health practitioners and trainees, clinical epidemiologists, and students in the field. Divided into three sections along the lines of bacteriology, parasitology and virology, this book comprehensively provides a systematic, cross-disciplinary approach to the science and control of all zoonoses, written by international specialists in human and veterinary medicine. The Middle East and North Africa (MENA) is highly endemic for several neglected tropical diseases (NTDs), including viral, bacterial, protozoan and helminth infections. This new volume covers the most prevalent NTDs found in about 22 MENA countries emphasizing the disease burden, clinical manifestations and control approaches. Each individual chapter deals with one specific disease and is written by a group of experts on that topic. This book primarily focuses on the African Sahel region, shedding new light on the epidemiology, socio-economics, clinical manifestations and control approaches of transboundary animal diseases (TADs) in this specific region. In addition to the description of TADs in Sahelian Africa and connected regions, several issues regarding the burden of TADs, the role of national/regional/international veterinary organizations in the surveillance process, animal mobility, one health and TADs in the dromedary are discussed. The book contains 22 chapters and is structured in three parts, i- general features and commonalities, ii- viral diseases, iii- bacterial diseases. Each chapter was written by a group of experts specialized in the topic. This work will be of general interest to researchers, veterinarians, veterinary public health officers, and students engaged in the surveillance and control of animal infectious diseases, included those of zoonotic nature and that are prevalent in the Sahel. A timely exploration of the impact of global change on the emergence, reemergence, and control of vector-borne and zoonotic viral infections From massively destructive "superstorms" to rapidly rising sealevels, the world media is

abuzz with talk of the threats to civilization posed by global warming. But one hazard that is rarely discussed is the dramatic rise in the number and magnitude of tropical virus outbreaks among human populations. One need only consider recent developments, such as the spread of chikungunya across southern Europe and dengue in Singapore, Brazil, and the southern United States, to appreciate the seriousness of that threat. Representing a major addition to the world literature on this subject, *Viral Infections and Global Change* explores trends of paramount concern globally, regarding the emergence and reemergence of vector-borne and zoonotic viruses. It also provides up-to-date coverage of both the clinical aspects and basic science behind an array of specific emerging and reemerging infections, including everything from West Nile fever and Rift Valley fever to zoonotic hepatitis E and human bunyavirus. Important topics covered include: epidemiology, molecular pathogenesis, and evolutionary mechanisms. Host-pathogen interactions in an array of viral infections. The impact of climate change on historical viral outbreaks. The roles of socioeconomics, human behavior, and animal and human migrations. The growing prevalence of drug and pesticide resistance. The introduction of microbes and vectors through increased transboundary travel. Spillover transmissions and the emergence of viral outbreaks. Detecting and responding to threats from bioterrorism and emerging viral infections. Predictive modeling for emerging viral infections. *Viral Infections and Global Change* is an indispensable resource for researchers, epidemiologists, and medical and veterinary students working in ecology, environmental management, climatology, neurovirology, virology, and infectious disease. *Best of Five MCQs for the MRCP Part 1 volumes 1-3* offers a comprehensive and trustworthy solution to anybody wishing to sit, pass and excel at the Membership of the Royal College of Physicians Part 1 examination. Presented as a unique three-volume set, each volume features 375 high-quality practice questions on each of the systems and specialties in alphabetical order. Volume 2 features *Best of Five* questions on dermatology, endocrinology, gastroenterology, geriatric medicine, infectious diseases, and ophthalmology. All 375 questions contain questions written and reviewed by successful candidates and previous examiners, and are accompanied by detailed explanations and further reading, ensuring complete and successful revision for this challenging exam. Matched to the latest Royal College curricula in coverage and format, this dedicated resource provides readers with an accurate, authoritative and evidence-based companion to the MRCP Part 1. There is growing interest internationally in the contributions which the creative arts can make to wellbeing and health in both healthcare and community settings. A timely addition to the field, the *Oxford Textbook of Creative Arts, Health, and Wellbeing* is the first work of its kind to discuss the role the creative arts have in addressing some of the most pressing public health challenges faced today. Providing an evidence-base and recommendations for a wide audience, this is an essential resource for anyone involved with this increasingly important component of public health practice. The textbook offers key insights for developing new creative arts-based approaches to health and wellbeing, and shows how these can augment established practices within a variety of social settings. Theoretically grounded and with a strong evidence base, this book brings together contributions from both practitioners and researchers to provide a comprehensive account of the field. Using international examples, the textbook elucidates the various approaches that have successfully led to improvements in public health, whilst case studies in healthcare practices evaluate the impact of arts-based initiatives in a multitude of international settings, life-course stages, and social milieus. The *Oxford Textbook of Creative Arts, Health, and Wellbeing* is a comprehensive resource that will be essential to anyone with an interest in this increasingly important component of public health practice. Every year billions of animals, from housecats to racehorses to pythons, are treated by veterinarians. The use of veterinary science to treat the health of animals has a long history; for the past five centuries it has developed as our understanding of animals' fundamental biology, pathology, and pharmacology has grown. Rapid global changes expected in the twenty-first century will require the profession to respond proactively, embracing new challenges and opportunities. James Yeates, Chief Veterinary Officer of the RSPCA, introduces the field of veterinary science,

covering the history of its scientific and clinical aspects from early practices to recent challenges such as the outbreak of BSE and antibiotic resistance, and considering the differences between human medicine and veterinary medicine. Analysing the key roles played by diagnosis, treatment, and prevention with regard to the health of farm animals and pets, he relates this to wider aspects concerning public health, such as zoonoses (diseases that jump from animals to humans). Yeates also covers recent 'One Health' approaches involving the health of both humans and animals, seen as synergistic, and discusses the challenges for the future of veterinary medicine, including the ethical dilemmas in balancing the interests of owners and animals when they do not coincide. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable. Emerging diseases are a major threat to modern societies, impacting individual welfare as well as economic development. The trend of newly emerging diseases has accelerated in the last two decades to such an extent that a new emerging infection is described at least once a year. The majority of such threats to modern society have been due to emergent viruses. This series of lecture notes provides grounding in understanding the drivers of disease emergence, the molecular processes which allow for virus diversity, the response of the host and environmental factors responsible for changing the balance between host and pathogen. Groups of viruses are described, each selected to illustrate certain features of disease emergence. These examples best illustrate how from past experience we may best be able to predict future outbreaks of novel diseases. Expecting the unexpected is a major challenge for health care personnel and public health officials alike, and the stakes have never been higher. As such, this book provides a timely overview of how best to prepare for disease emergence as it intends to increase awareness of how vulnerable modern society is in preparedness for such events.

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