Review Article Bovine Babesiosis And Its Current Status In
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The Merck Veterinary Manual

Most of the future increase in livestock production is expected to occur in the tropical and subtropical regions of the world. Cattle are the most numerous of the ruminant species in the tropics and provide the largest quantity of animal food products. More than one-third of the world's cattle are found in the tropics. Disease is the major factor which prohibits full utilization of these regions for cattle production. Various infectious and transmissible viral, rickettsial, bacterial, and particularly protozoan and helminthic diseases, are widespread in the tropics and exert a heavy toll on the existing cattle industry there. This uncontrolled disease situation also discourages investment in cattle industries by private and government sectors. In Africa alone, it is estimated that 125 million head of cattle could be accommodated in the tropical rainbelt if the disease and other animal husbandry factors could be resolved. The potential of efficient cattle production under more favorable conditions prompted various international agencies to establish a multi million dollar International Laboratory for Research in Animal Diseases (ILRAD) in Nairobi, Kenya, Africa. In South America, principal sites for raising cattle are shifting to the savannah lands because the more fertile soils are being used for crop production, however, in the savannahs also, disease remains the most powerful deterrent in implementing the cattle industry.

Malaria and Babesiosis

Ticks and Tick-borne Diseases

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.

Lyme Disease in Australia

This book provides an in-depth yet concise overview of the most common and emerging protozoa that cause diseases in both farm animals and companion animals. As outlined in the concise introduction, pathogenic protozoans represent an evolutionary highly diverse and little understood group of disease-causing microorganisms. For each of the featured parasitic unicellular eukaryotes, it discusses the morphology, lifecycle, epidemiology and host-pathogen interactions. In addition, the book highlights the latest developments in diagnostic methods, as well as prevention and treatment strategies. Thorough information on genomes and genetic manipulation strategies for some of the protozoa covered in this book is also included. Infections involving parasitic protozoa can cause productivity losses and/or reduce the quality of life of infected animals. Some infections are zoonotic, posing an on-going public health threat. In most cases, prevention and treatment are either non-existent or need considerable improvement. On the other hand, a great deal of research has recently been conducted on these organisms, yielding valuable new information on their global distribution and revealing the mechanisms of host-pathogen interactions at the molecular level – and essential insights that can be used for the development of new control tools. This book includes extensive information on both basic aspects and recent scientific discoveries on these protozoa and thus constitutes a unique resource for students, veterinarians, and researchers alike.

Farm Animals Diseases, Recent Omic Trends and New Strategies of Treatment

Medicinal Natural Products: A Disease-Focused Approach, Volume 55 in the Annual Reports in Medicinal Chemistry series, highlights...
the applications of natural products as medicines or prospective medicinal leads for the treatment of various human ailments. Each chapter covers a particular disease area or medical condition, with chapters in this new release covering Medicinal Natural Products – An Introduction, Anticancer Natural Products, Antimicrobial Natural Products, Antimalarial and Antiparasitic Natural Products, Anti-inflammatory Natural Products, Neuroprotective Natural Products, Hepatoprotective Natural Products, Nephroprotective Natural Products, Cancer Chemopreventive Natural Products, Antipsoriatic Natural Products, Medicinal Natural Products in Osteoporosis, Antiobesity Natural Products, and much more. Presents a disease-focused perspective Includes the latest on the medicinal chemistry of natural products Covers natural products in drug delivery

Ticks of Domestic Animals in the Mediterranean Region

Pests and vector-borne diseases in the livestock industry

Besides causing direct damage associated with blood feeding and in some cases through the excretion of toxins with their saliva, the main relevance of ticks lies in the wide variety of pathogens that they can transmit, including viruses, bacteria, protozoa and helminths. Owing to socioeconomic and environmental changes, tick distribution is changing with incursions of ticks and tick-borne diseases occurring in different regions of the world when the widespread deployment of chemical acaricides and repellents has led to the selection of resistance in multiple populations of ticks. New approaches that are environmentally sustainable and that provide broad protection against current and future tick-borne pathogen (TBP) are thus urgently needed. Such development, however, requires improved understanding of factors resulting in vector competence and tick-host-pathogen interactions. This Research Topic provides an overview of known molecular tick-host-pathogen interactions for a number of TBPs and highlights how this knowledge can contribute to novel control and prevention strategies for tick-borne diseases.

Veterinary Medicine and Pharmaceuticals

This book presents the state of the art information on basic and applied knowledge pertaining to various aspects of babesiosis, particularly bovine babesiosis. The book should serve as a valuable source of information for research workers, graduate and undergraduate students of veterinary and agricultural sciences, field veterinarians, and allied professionals involved in animal production and disease control.

Bibliography of Agricultural Bibliographies

Parasitic Protozoa of Farm Animals and Pets

Does Lyme disease really exist in Australia? Could this possibly be the missing link in thousands who are suffering with debilitating chronic health problems, where no other cause can be found? Are Australian doctors unaware of recent studies that show that Lyme disease does in fact exist in Australia, and that their sickest patients may have this disease? These are the questions that Naturopathic Physician Nicola McFadzean, ND, will answer for you in this groundbreaking and life-saving book. A native Australian who was trained in medicine in the United States, Dr. Nicola has treated more than 1000 Lyme disease patients on both continents, over 400 in Australia alone. This long-awaited book not only takes you on a journey of discovery through the history, politics, and science of Lyme disease in Australia, it also provides practical guidelines for diagnosing and treating the disease from both a holistic/naturopathic perspective, and an allopathic/pharmaceutical perspective. Find out the truth about Lyme disease in Australia - your life or the life of your loved one may depend on it. ABOUT THE AUTHOR: Dr. McFadzean is a Lyme-literate Naturopathic Doctor, trained in both the United States and her native country of Australia. She specializes in combining conventional and integrative approaches to treating Lyme and other tick-borne illness. She is the Founder and Medical Director of RestorMedicine in San Diego, California, and also holds Lyme disease clinics in Australia. Dr. McFadzean is the Medical Advisor to the Lyme Disease Association of Australia.

Arthropod Borne Diseases

While the focus of the first edition was on sub-Saharan Africa, this second edition has significantly expanded contents that include the majority of the infectious diseases of livestock that occur world-wide. Each of the infectious diseases is dealt with in terms of its introduction and history, epidemiology, pathogenesis, clinical signs, pathology, diagnosis, differential diagnosis, and control. A comprehensive list of references is provided for each disease. To facilitate readability, references are numbered in the text.

Cellular and Molecular Pathogenesis

Proceedings of the First International Congress of Parasitology, Volume One focuses on the advancements of processes, methodologies, approaches, and reactions involved in parasitology. The selection first offers information on the role of molluscan hosts in trematode speciation; ecological analysis of the fluke fauna of birds in the USSR; digenetic trematodes of fishes as indicators of the ecology, phylogeny, and zoogeography of their hosts; and aspects of the biology of a monogenean skin parasite. The text then examines bacterial flora as one of the etiological factors influencing the establishment of parasites in the bowel of their host, responses of helminths to temperature gradients, and reservoir parasitism in helminths. The publication takes a look at the physical and biochemical characteristics of helminth glycogens; effect of insulin on glucose uptake and glycogen synthesis in the liver fluke Fasciola hepatica L.; regulation of glycogen synthesis in the liver fluke Fasciola hepatica L.; and changes in catalase activity during embryonation of Ascaris eggs and its relationship to respiration and cytochrome oxidase activity. The selection is a vital reference for researchers interested in parasitology.
Veterinary Parasitology

Parasiticide Discovery: In Vitro and In Vivo Tests with Relevant Parasite Rearing and Host Infection/Infestation Methods, Volume One presents valuable screening methods that have led to the discovery of the majority of parasiticides commercialized in the animal health industry. As much of the knowledge of parasiticide discovery methods is being lost in the animal health industry as seasoned parasitologists retire, this book serves to preserve valuable methods that have led to the discovery of the majority of parasiticides commercialized in animal health, also giving insights into the in vitro and in vivo methods used to identify the parasiticide activity of compounds. Addresses current issues of resistance, along with combination uses for resistant parasites Presents useful, authoritative information (chemical, pharmaceutical, clinical, etc.) for the pyrano family of compounds Includes a discussion on screening methods in combination therapies Provides cutting-edge material for an evolving area of scientific discussion Includes in vitro and in vivo screens and parasite maintenance and culture methods

The Epidemiology of Theileriosis in Africa

An Introduction to Mathematical Epidemiology

Theileriosis is the name given to infections caused by several species of Theileria, the most important of which in Africa are Theileria annulata and Theileria parva. Their distributions in the continent are distinct, and follow that of their main field tick vectors. The annulata occurs in North Africa and the Nile River Valley, and the parva in sub-Saharan eastern, central, and southern Africa. This book reviews the work on theileriosis since 1902 from an historical, biological, ecological, epidemiological, and economic point of view. The results shed new light on poorly understood areas in theileriosis and at the same time assist with the development of more robust control strategies. Focuses on a tick borne parasitic that threatens twenty-five million cattle in Central and East Africa Assembles all current data on the epidemiology of theileriosis in Africa Lays the groundwork for future studies

Investigations Into the Nature, Causation, and Prevention of Texas Or Southern Cattle Fever

Part of the highly regarded Diagnostic Pathology series and written by Danny A. Milner, Jr., MD, this updated volume covers all aspects of infectious disease pathology, including anatomic manifestations and how to ensure a complete and accurate sign out at the microscope. Concise, focused chapters, supported by thousands of high-quality images, make this second edition an excellent point-of-care resource for pathologists at all levels of experience and training—both as a quick reference and as an efficient review to improve knowledge and skills. Provides essential information by organism type (virus, bacteria, fungi, and parasite), further divided by those organisms that can be diagnosed on histological appearance, to help you quickly and accurately identify what you see at the microscope Contains new information on Zika virus, rhinosporidiosis, coenurusis, and more, as well as new material on approaching emerging infections with a biosafety/notification focus Features additional figures and diagrams to help with rare organism identification, and new details on an algorithmic approach to identification Includes coverage of iatrogenic immunosuppression and organism correlations, explanatory life cycles with emphasis on when pathology occurs, updated diagnostics sections on molecular testing, and diagrammatic correlations of viruses with accompanying electron microscope imagery Contains time-saving features such as bulleted text, annotated images, reference tables, and more Offers Key Facts that highlight the quick criteria needed for diagnosis or evaluation at the time of a procedure Explains when and when not to use molecular diagnostics, and discusses histological limitations and how to address them at sign out

Babesiosis

Parasites and Parasitic Diseases

Veterinary pharmaceuticals provide animals with the requisite, complete animal health care. The availability of safe and good quality medicines in the right amounts is needed in achieving optimum animal health care. The economic benefits of animal food products cannot be under-estimated. Veterinary pharmaceuticals are needed to meet the ever-growing demand of animal protein for the human population. However, their routine and unguarded use play significant roles in many public health issues, such as antimicrobial resistance. The practices, knowledge, and awareness needed on the use and application of veterinary pharmaceuticals amongst farmers, animal health professionals, microbiologists, and policy makers remain key in ensuring a safe and healthy food chain for all. In the field of veterinary medicine, canine practice is a challenge to veterinarians. In recent years, newer diagnostic methods and therapeutic protocols have been published on a regular basis. Along with the existing knowledge of important canine diseases like ascites, duodenal disorders, pericardial effusions, and canine mastitis, this book is supplemented with all the latest information. Discussion of duodenal disorders in dogs, including IBD and SIBO, is an important topic in day-to-day practice. Ascites and mastitis in dogs are also important topics and are discussed in this book. Each topic carries practical points for the diagnosis and management of important diseases of dogs. Hence, this book will be very useful for canine practitioners.

Diagnostic Pathology: Infectious Diseases E-Book

Bachelor Thesis from the year 2020 in the subject Veterinary medicine, grade: 4.99, Makerere University (Veterinary Medicine), course: Animal diseases, language: English, abstract: This study was undertaken to know the Babesiosis prevalent in Ovine and Caprine in Baligubadle District, Hawd region, Somaliland. This study will add an additional advantage of the Babesiosis to cover the further way for launching sustainable animal disease controlling and minimizing in Somaliland. However there is little data on national herd distribution
and composition up to date. Furthermore there is little information about the prevalence of Babesiosis in sheep and goats in Baligubadle
district. Therefore this study is aimed at investigating the prevalence of sheep and goats Babesiosis in Baligubadle district, Somaliland.

Ovine and caprine babesiosis is an acute or chronic infectious disease of sheep and goats, caused by two species of Babesia, transmitted
by ticks, and characterized by fever, anemia, hemoglobinuria and icterus. Ovine and Caprine Babesiosis is caused by two antigenically
different species of Babesia: B. motasi, is a large and more virulent form, occurring singly or paired in erythrocytes; B. ovis which is a
small form. The main objective of this study was to establish the prevalence of Babesiosis in sheep and goats in Baligubadle District,
Somaliland. Cross sectional study that has been carried out at 19 April up to 15 July in five villages in Baligubadle district. A total of 350
sheep and goats were sampled. Slides were made from a whole blood collected from the auricular vein of the animals. After staining,
slides were read under a light microscope.

**Advances in the Control of Theileriosis**

Excerpt from Investigations Into the Nature, Causation, and Prevention of Texas or Southern Cattle Fever: Made Under the Direction of
Dr. D. E. Salmon, Chief of the Bureau of Animal Industry Cases of Texas fever examined at the experiment station and the path ological
laboratory (1889 - 1892, inclusive) About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find
more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art
technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In
rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair
the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical
works.

**Title keywords**

Widespread and increasing resistance to most available acaracides threatens both global livestock industries and public health. This
necessitates better understanding of ticks and the diseases they transmit in the development of new control strategies. Ticks: Biology,
Disease and Control is written by an international collection of experts and covers in-depth information on aspects of the biology of the
ticks themselves, various veterinary and medical tick-borne pathogens, and aspects of traditional and potential new control methods. A
valuable resource for graduate students, academic researchers and professionals, the book covers the whole gamut of ticks and tick-borne
diseases from microsatellites to satellite imagery and from exploiting tick saliva for therapeutic drugs to developing drugs to control tick
populations. It encompasses the variety of interconnected fields impinging on the economically important and biologically fascinating
phenomenon of ticks, the diseases they transmit and methods of their control.

**Prevalence of Ovine and Caprine Babesiosis in Baligubadle-District. An Empirical Study**

**The Ruminant Immune System in Health and Disease**

How to control economically important vector-borne diseases? What are the best strategies to protect livestock from vector-borne
diseases in a changing environment? How to evaluate and assess the acceptability, cost efficiency and cost benefit of the control and
surveillance methods? The information in this book will help to answer these questions. It aims at presenting the latest information on
vector-borne diseases affecting livestock worldwide, from state-of-the art interventions to the assessment of the impact of these control
measures. This book is a valuable tool for entomologists and all those involved in pest and vector control.

**Ticks of Europe and North Africa**

The book is a comprehensive, self-contained introduction to the mathematical modeling and analysis of infectious diseases. It includes
model building, fitting to data, local and global analysis techniques. Various types of deterministic dynamical models are considered:
ordinary differential equation models, delay-differential equation models, difference equation models, age-structured PDE models and
diffusion models. It includes various techniques for the computation of the basic reproduction number as well as approaches to the
epidemiological interpretation of the reproduction number. MATLAB code is included to facilitate the data fitting and the simulation
with age-structured models.

**Medicinal Natural Products: A Disease-Focused Approach**

The major emphasis in this text is on cellular and molecular pathogenesis in relation to important areas of general pathology, with a focus
throughout on elucidating basic mechanisms of disease at the cellular, biochemical and molecular levels.

**Proceedings of the First International Congress of Parasitology**

African animal trypanosomosis (AAT), also called nagana, is a trans-boundary disease that has had an immense impact on cattle and is
ranked among the top global cattle diseases. This and tick-borne diseases have caused major obstacles to sustainable livestock-based
agricultural production and food security and are important factors in underdevelopment. Due to decreasing efficacy of available drugs,
widespread trypanosome resistance, and the difficulty of sustaining other control measures, there is a need for alternative sustainable
strategies to reduce the impact these diseases have on livestock. Combating and Controlling Nagana and Tick-Borne Diseases in
Livestock provides the latest empirical research findings on the effects of African animal trypanosomiasis (nagana) and tick-borne
disease infection in livestock, their impact on farmer livelihoods, and the measures that can be undertaken to mitigate negative effects and reduce the number of infections. While highlighting topic areas such as disease history and transmission, treatments, and the economic impacts, this book is essential for farmers, animal health and animal production professionals and practitioners, non-government organizations, researchers, academicians, and students working in fields that include but are not limited to agriculture, livestock production, environmental science, veterinary medicine, veterinary pathology, and epidemiology.

Parasiticide Screening

It is vital to understand ticks and tick-borne pathogens as well as their impact on humans. This book is intended for students in parasitology, biologists, parasitologists involved in molecular diagnostics of tick-borne diseases, practicing veterinarians, and for others who may require information on ticks and tick-borne diseases. Here we have put together a collection of chapters focused on different aspects of ticks and tick-borne diseases mainly to provide the reader with novel information in the field, but not the basic generalised information provided by many textbooks. This book includes topics such as high-throughput technologies in diagnosis, discovery of novel tick vaccines, identification of new pathogens transmitted by ticks, and new epidemiological information of certain well-known ticks and tick-borne diseases. These chapters were authored by parasitologists from all over the world, giving an insight to the reader about significant ticks and tick-borne diseases prevalent in those particular geographical regions with the local expert's point of view. Each of the chapters has separate reference lists, making it easier for the reader to find additional reading material related to their topic of interest.

Infectious Diseases of Livestock

The scope of this book is to present the most recent trends based on omic analyses of microorganisms causing diseases in farm animals and how these approaches result in new strategies of treatment. The topics in this book include fascioliosis, avian coccidiosis, bovine anaplasmosis, tick-borne diseases, and babesiosis, among others. This book presents the recent advances in the omic field with an emphasis on how these analyses have led researchers to know the mechanisms that pathogens use to invade and colonize the host cell of farm animals. In this way, new treatments of control and prevention can be employed.

Babesiosis of Domestic Animals and Man

Bundeling van artikelen over teken - en de ziekten die ze overbrengen - van belang in landen met een tropisch dan wel subtropisch klimaat en specifiek in ontwikkelingslanden

tick and tick borne disease control

Introduces readers to key case studies that illustrate how theory and data can be integrated to understand wildlife disease ecology.

Tick-Host-Pathogen Interactions

Approximately five years have elapsed since the Conference on "Tick-borne Diseases and their Vectors" (Wilde, 1978, University of Edinburgh) was held at the Centre for Tropical Veterinary Medicine in Edinburgh. Theileriosis was one of the main topics at that Conference and some 20 scientific presentations were given. Also in the same year a Workshop on "Theileriosis" was held at the Kenyatta Conference Centre in Nairobi (Henson & Campbell, 1977, IDRC, Ottawa). Both of these meetings provided a valuable up dating of theilerial diseases, and the Proceedings have been a constant source of reference for scientists in the ensuing years. The meetings played a significant role in setting the scene for a number of important advances which have been made since then. In February of this year, attention was focused on these advances when nearly 200 scientists from over 30 countries were assembled at the International Laboratory for Research on Animal Diseases in Nairobi for the international conference on "Advances in the Control of Theileriosis". The interest and concern shown in this subject has now grown to the extent that more than 70 scientific presentations were given over the course of a very busy week. An important facet of the Conference was the attention given to the control of Theileriosis, since this must be the ultimate aim of all those involved with the disease. Control will be difficult.

Combating and Controlling Nagana and Tick-Borne Diseases in Livestock

Ticks and Tick-Borne Pathogens

Ticks are obligate blood sucking arthropods found in almost every region of the world. They are very important vectors of human and animal diseases. Tick-borne protozoan diseases such as Theileriosis and Babesiosis cause mortality and morbidity in domestic animals in many countries including India. An understanding of taxonomy, vector biology and ecology in the geographic regions of each country is essential so that a programme of control measures can be implemented. This book focuses on the ticks found in India and will be invaluable for health authorities, tick biologists and veterinary researchers. It covers taxonomic identification, medical importance and bionomics of haemaphysaline ticks. Presents the taxonomy and biological description of the 42 haemaphysaline ticks which are found in the Indian subcontinent. Includes information on the ecology and biology of many of these species. Keys provided for subgeneric and individual identification will be useful for easy identification of Indian haemaphysaline ticks.

Haemaphysalis Ticks of India
This volume of papers presented at an international conference held in Nairobi, Kenya reviews the immune system of domestic ruminants, with particular emphasis on mechanisms of immunity and resistance to infectious diseases. They provide authoritative coverage of a wide range of topics in ruminant immunology. Together, they comprise a valuable reference text for those involved in all aspects of immunological research in ruminants. Topics of comparative interest in other species are also covered.

The Onderstepoort Journal of Veterinary Research

This book includes descriptive keys for identifying every stage of all the species of ticks reported in Europe and northern Africa. It includes descriptive texts on the ecology and prominent features of each species, together with ink illustrations and distribution maps of more than 60 species of hard and soft ticks. The text for each species was prepared by specialists, the illustrations were made especially for this book and the maps were compiled on the basis of more than 40 years of records. This book is the first to offer keys for more than 60 species of ticks (both immature and adult) in the target territory. It also includes supplementary information with bibliographical details for each species. This book is based upon work from COST Action TD1303, supported by COST (European Cooperation in Science and Technology).

Rickettsial Diseases

The only available reference to comprehensively discuss the common and unusual types of rickettsiosis in over twenty years, this book will offer the reader a full review on the bacteriology, transmission, and pathophysiology of these conditions. Written from experts in the field from Europe, USA, Africa, and Asia, specialists analyze specific patho

Diseases of Cattle in the Tropics

The recipient of much praise and acclaim, Veterinary Parasitology is widely considered to be the definitive veterinary parasitology reference for practitioners and students alike. This Fourth Edition has been developed and enhanced into a two-part reference to reflect recent advances in the field, modern teaching practice, and updated parasite taxonomic classification systems. Part One contains expanded individual parasite descriptions using current taxonomic status within three new chapters on Helminthology, Protozoology and Entomology. Further updated chapters are provided on: The laboratory diagnosis of parasitism, Antiparasitics, The epidemiology of parasitic diseases, and Host resistance to parasitic diseases. Host species chapters have been retained and expanded and are found in Part Two of the edition. KEY FEATURES Tailored for those directly involved in the diagnosis, treatment and control of parasitic diseases of domestic animals Compatible with the diversity of current parasitology teaching modules – both for teaching parasite systematics and diseases on a host-organ basis Offers the most detailed parasite descriptions available today for teachers, research groups, veterinarians in practice and in government service, and others involved in aspects of parasitic disease Thoroughly revised and restructured to reflect the most up-to-date advancements in the field, Veterinary Parasitology, Fourth Edition, enhances its stellar reputation as the gold standard reference text for the global veterinary profession.

Ticks

Parasitic diseases are considered nowadays as an important public health problem due to the high morbidity and mortality rates registered in the world. These diseases result in more severe consequences for the social order of tropical and subtropical countries because many of them have low economic income that makes it even more difficult to design and implement health control programs. This situation opens the door to the emergence and reemergence of these diseases; therefore, it is convenient, necessary, and essential to study and update the epidemiological behavior of tropical diseases with the objective of offering official health professionals and institutions current information for decision-making in this area to ensure social welfare.

Wildlife Disease Ecology

Bovine Medicine

Arthropod borne diseases cause enormous morbidity and mortality in most countries, mostly in those situated in tropical areas, but also in temperate regions. This book provides organized information on all arthropod related diseases, to prevent suffering and deaths, for medical students and professionals. Since arthropod borne diseases are present in many regions of the world and can even surprise professionals and lays in non-endemic regions, like malaria in UK and Canada, the author and its many expert collaborators are sure that it will be essential in all hospitals, clinics and medical libraries around the world. As arthropod borne diseases of domesticated animals are very numerous and in some cases related to human diseases, they are also included in the book.

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