
Meningitis Deadly Diseases And Epidemics

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Microbiology
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MELISSA WILLIAMSON

Sherris Medical Microbiology Penguin

As the world waits once again to see if the latest virus will decimate the population, *The Little Black of Pandemics* looks at the greatest natural killers of all time. This concise and intelligent look at the most deadly viral and bacterial diseases includes expert opinion on likely future outbreaks, method of contagion, identification of systems, and likelihood of survival. Includes influenza, smallpox, West Nile virus, AIDS, Ebola, SARS, plague, typhus, cholera, tuberculosis, Rocky Mountain spotted fever, leprosy, meningitis, vCJD, hepatitis, yellow fever, Lassa fever, and many more.

Immigrant Medicine E-Book World Health Organization

Imaging in Spine Surgery tailors the highly regarded *Diagnostic Imaging* series templates with radiology images and color graphics to the needs of neurosurgeons, orthopedic spine surgeons, pain management and rehab (PM&R) physicians, and anesthesiologists. It provides clinical information for diagnosis and appropriate care for the patient, resulting in the perfect comprehensive text for spine surgeons. - Combines chapters that include all entities that neurosurgeons, orthopedic spine surgeons, PM&R physicians, and anesthesiologists who do spine procedures are likely to encounter from the following Amirsys radiology titles: - *Imaging Anatomy: Musculoskeletal* by Manaster - *Diagnostic Imaging: Spine* by Ross - *Specialty Imaging: Craniovertebral Junction* by Ross - *Specialty Imaging: Postoperative Spine* by Ross - *Specialty Imaging: Pain Management* by LaBarge - Allows readers to understand the significance of a given radiologic finding and what should be done next for the appropriate care of that patient - Each chapter contains Key Facts and 4 images (a mix of radiology images and drawings) with captions and extensive annotations designed specifically for surgeons, important clinical information, and definitions and clarifications of unfamiliar radiology nomenclature - Selected prose intros and imaging anatomy chapters help

nonradiology clinicians quickly master the key points of imaging relevant to spine surgery - Written at a level accessible to neurosurgery and orthopedic residents, but also contains "pearls" the most experienced surgeons will find useful

How the Immune System Works Academic Press

Based on careful analysis of burden of disease and the costs of interventions, this second edition of *'Disease Control Priorities in Developing Countries, 2nd edition'* highlights achievable priorities; measures progress toward providing efficient, equitable care; promotes cost-effective interventions to targeted populations; and encourages integrated efforts to optimize health. Nearly 500 experts - scientists, epidemiologists, health economists, academicians, and public health practitioners - from around the world contributed to the data sources and methodologies, and identified challenges and priorities, resulting in this integrated, comprehensive reference volume on the state of health in developing countries.

The Plague Year CRC Press

The World Malaria Report 2015 assesses global malaria disease trends and changes in the coverage and financing of malaria control programs between 2000 and 2015. It also summarizes progress towards international targets, and provides regional and country profiles that summarize trends in each WHO region and each country with malaria. The report is produced with the help of WHO regional and country offices, ministries of health in endemic countries, and a broad range of other partners. The data presented are assembled from the 96 countries and territories with ongoing malaria transmission, and a further five countries that have recently eliminated malaria. Most data are those reported for 2014 and 2015, although in some cases projections have been made into 2015, to assess progress towards targets for 2015.

Core Concepts in Clinical Infectious Diseases (CCCID)

Springer

A fascinating look at a bizarre, forgotten epidemic from the national bestselling author of *The American Plague*. In 1918, a world war raged, and a lethal strain of influenza circled the globe. In the midst of all this death, a bizarre disease appeared in

Europe. Eventually known as encephalitis lethargica, or sleeping sickness, it spread worldwide, leaving millions dead or locked in institutions. Then, in 1927, it disappeared as suddenly as it arrived. Asleep, set in 1920s and '30s New York, follows a group of neurologists through hospitals and asylums as they try to solve this epidemic and treat its victims—who learned the worst fate was not dying of it, but surviving it.

The Travel and Tropical Medicine Manual E-Book Harper Collins

From the Pulitzer Prize-winning author of *The Looming Tower*, and the pandemic novel *The End of October: an unprecedented, momentous account of Covid-19—its origins, its wide-ranging repercussions, and the ongoing global fight to contain it* "A book of panoramic breadth ... managing to surprise us about even those episodes we ... thought we knew well ... [With] lively exchanges about spike proteins and nonpharmaceutical interventions and disease waves, Wright's storytelling dexterity makes all this come alive." —The New York Times Book Review From the fateful first moments of the outbreak in China to the storming of the U.S. Capitol to the extraordinary vaccine rollout, Lawrence Wright's *The Plague Year* tells the story of Covid-19 in authoritative, galvanizing detail and with the full drama of events on both a global and intimate scale, illuminating the medical, economic, political, and social ramifications of the pandemic. Wright takes us inside the CDC, where a first round of faulty test kits lost America precious time . . . inside the halls of the White House, where Deputy National Security Adviser Matthew Pottinger's early alarm about the virus was met with confounding and drastically costly skepticism . . . into a Covid ward in a Charlottesville hospital, with an idealistic young woman doctor from the town of Little Africa, South Carolina . . . into the precincts of prediction specialists at Goldman Sachs . . . into Broadway's darkened theaters and Austin's struggling music venues . . . inside the human body, diving deep into the science of how the virus and vaccines function—with an eye-opening detour into the history of vaccination and of the modern anti-vaccination movement. And in this full accounting, Wright makes clear that the medical professionals around the country who've risked their lives to fight the virus reveal and embody an America in all its

vulnerability, courage, and potential. In turns steely-eyed, sympathetic, infuriated, unexpectedly comical, and always precise, Lawrence Wright is a formidable guide, slicing through the dense fog of misinformation to give us a 360-degree portrait of the catastrophe we thought we knew.

CDC Yellow Book 2018: Health Information for International Travel Rutgers University Press

In the past half century, deadly disease outbreaks caused by novel viruses of animal origin - Nipah virus in Malaysia, Hendra virus in Australia, Hantavirus in the United States, Ebola virus in Africa, along with HIV (human immunodeficiency virus), several influenza subtypes, and the SARS (sudden acute respiratory syndrome) and MERS (Middle East respiratory syndrome) coronaviruses - have underscored the urgency of understanding factors influencing viral disease emergence and spread. Emerging Viral Diseases is the summary of a public workshop hosted in March 2014 to examine factors driving the appearance, establishment, and spread of emerging, re-emerging and novel viral diseases; the global health and economic impacts of recently emerging and novel viral diseases in humans; and the scientific and policy approaches to improving domestic and international capacity to detect and respond to global outbreaks of infectious disease. This report is a record of the presentations and discussion of the event.

Neurology and Neurosurgery Illustrated E-Book Oxford University Press

Bacterial Infections of the Central Nervous System aims to provide information useful to physicians taking care of patients with bacterial infections in the central nervous system (CNS), which can lead to morbidity and mortality. The increased number of patients suffering from this infection has led to the development of vaccines and antibiotics. Comprised of four chapters, the book explains the general approach to patients with bacterial CNS infection. It also discusses various CNS infection concepts and terms. These include the characteristic neuroimaging appearance of specific bacterial infections, the limitations of neuroimaging, the cerebrospinal fluid analysis, the pathogenesis and pathophysiology of bacterial CNS infections, the developments of specific adjunctive strategies, and the principles of antimicrobial therapy. It also includes discussions on various diseases that target the CNS, such as meningitis, focal CNS

infections, neurological complications of endocarditis, suppurative venous sinus thrombosis, infections in the neurosurgical patient, and CNS diseases caused by selected infectious agents and toxins. This book will serve as a guide for clinical physicians who have patients suffering from bacterial CNS infection.

Red Book 2015 CABI

Valley Fever Epidemic is the first and only comprehensive, complete, and up-to-date book written for the lay person on the subject of coccidioidomycosis, commonly known as Valley Fever. It is easy to read and understand and features detailed in-depth information on the disease's symptoms, diagnosis, testing, drugs and treatment, risk factors, and more. This book also includes maps and statistics, frequently asked questions, what you need to know before you see a doctor, how to help boost your immune system, and stories that people with Valley Fever sent to the authors at www.valleyfeversurvivor.com. The chapter on how Valley Fever affects animals contains stories from pet owners as well. In addition, this book has a medical glossary of over 465 words with definitions that translate all the technical medical jargon into plain English. Although this book has been written for the lay person, even medical professionals will find it enlightening. It is backed by hundreds of medical journal citations and has been reviewed by several eminent Valley Fever doctors and other professionals. If you have ever lived in, visited, or passed through Arizona, California, Nevada, Texas, New Mexico, Utah, Mexico or other risk areas, the detailed information provided in this book is especially important for you to know. If you are a resident or are considering moving to any of the states where this fungus lives and thrives, it is vital that you learn what to do if you contract Valley Fever. The knowledge you gain from Valley Fever Epidemic may save you or a loved one from unnecessary suffering.

Imaging in Spine Surgery E-Book Kingfisher

"On Epidemics" by Hippocrates (translated by Francis Adams). Published by Good Press. Good Press publishes a wide range of titles that encompasses every genre. From well-known classics & literary fiction and non-fiction to forgotten—or yet undiscovered gems—of world literature, we issue the books that need to be read. Each Good Press edition has been meticulously edited and formatted to boost readability for all e-readers and devices. Our goal is to produce eBooks that are user-friendly and accessible to

everyone in a high-quality digital format.

Tropical Dermatology E-Book Penguin

This fully updated edition of Infectious Disease Surveillance is for frontline public health practitioners, epidemiologists, and clinical microbiologists who are engaged in communicable disease control. It is also a foundational text for trainees in public health, applied epidemiology, postgraduate medicine and nursing programs. The second edition portrays both the conceptual framework and practical aspects of infectious disease surveillance. It is a comprehensive resource designed to improve the tracking of infectious diseases and to serve as a starting point in the development of new surveillance systems. Infectious Disease Surveillance includes over 45 chapters from over 100 contributors, and topics organized into six sections based on major themes. Section One highlights the critical role surveillance plays in public health and it provides an overview of the current International Health Regulations (2005) in addition to successes and challenges in infectious disease eradication. Section Two describes surveillance systems based on logical program areas such as foodborne illnesses, vector-borne diseases, sexually transmitted diseases, viral hepatitis healthcare and transplantation associated infections. Attention is devoted to programs for monitoring unexplained deaths, agents of bioterrorism, mass gatherings, and disease associated with international travel. Sections Three and Four explore the uses of the Internet and wireless technologies to advance infectious disease surveillance in various settings with emphasis on best practices based on deployed systems. They also address molecular laboratory methods, and statistical and geospatial analysis, and evaluation of systems for early epidemic detection. Sections Five and Six discuss legal and ethical considerations, communication strategies and applied epidemiology-training programs. The rest of the chapters offer public-private partnerships, as well lessons from the 2009-2010 H1N1 influenza pandemic and future directions for infectious disease surveillance.

Managing epidemics: key facts about major deadly diseases Elsevier Health Sciences

Written by the son of one of the lead scientists involved, this book offers a firsthand account of the development of the meningococcal meningitis vaccine, one of the most important historical events in the world of medicine.

Little Book of Pandemics National Academies Press

The New Public Health has established itself as a solid textbook throughout the world. Translated into 7 languages, this work distinguishes itself from other public health textbooks, which are either highly locally oriented or, if international, lack the specificity of local issues relevant to students' understanding of applied public health in their own setting. This 3e provides a unified approach to public health appropriate for all masters' level students and practitioners—specifically for courses in MPH programs, community health and preventive medicine programs, community health education programs, and community health nursing programs, as well as programs for other medical professionals such as pharmacy, physiotherapy, and other public health courses. - Changes in infectious and chronic disease epidemiology including vaccines, health promotion, human resources for health and health technology - Lessons from H1N1, pandemic threats, disease eradication, nutritional health - Trends of health systems and reforms and consequences of current economic crisis for health - Public health law, ethics, scientific d health technology advances and assessment - Global Health environment, Millennium Development Goals and international NGOs

Meningitis John Wiley & Sons

A review of the original edition of *The Burdens of Disease* that appeared in *ISIS* stated, "Hays has written a remarkable book. He too has a message: That epidemics are primarily dependent on poverty and that the West has consistently refused to accept this." This revised edition confirms the book's timely value and provides a sweeping approach to the history of disease. In this updated volume, with revisions and additions to the original content, including the evolution of drug-resistant diseases and expanded coverage of HIV/AIDS, along with recent data on mortality figures and other relevant statistics, J. N. Hays chronicles perceptions and responses to plague and pestilence over two thousand years of western history. Disease is framed as a multidimensional construct, situated at the intersection of history, politics, culture, and medicine, and rooted in mentalities and social relations as much as in biological conditions of pathology. This revised edition of *The Burdens of Disease* also studies the victims of epidemics, paying close attention to the relationships among poverty, power, and disease.

Learning from SARS Elsevier Health Sciences

"The AAP's authoritative guide to the manifestations, etiology, epidemiology, diagnosis, and treatment of more than 200 childhood conditions." -- Provided by publisher.

The Burdens of Disease Elsevier Health Sciences

Thirty-six interdisciplinary essays analyze the mutual relationship between historical epidemics and the built environment. Epidemic illnesses--not only a product of biology, but also social and cultural phenomena--are as old as cities themselves. The outbreak of COVID-19 in late 2019 brought the effects of epidemic illness on urban life into sharp focus, exposing the vulnerabilities of the societies it ravages as much as the bodies it infects. How might insights from the outbreak and responses to previous urban epidemics inform our understanding of the current world? With these questions in mind, *Epidemic Urbanism* gathers scholarship from a range of disciplines--including history, public health, sociology, anthropology, and medicine--to present historical case studies from across the globe, each demonstrating how cities are not just the primary place of exposure and quarantine, but also the site and instrument of intervention. They also demonstrate how epidemic illnesses, and responses to them, exploit and amplify social inequality in the communities they touch. Illustrated with more than 150 historical images, the essays illuminate the profound, complex ways epidemics have shaped the world around us and convey this information in a way that meaningfully engages a public readership.

Aminoff's Neurology and General Medicine Springer Science & Business Media

Not all scientific discoveries are genius. *Continual Raving* tells the combined stories of how scientists across the 19th and 20th centuries defeated meningitis -- not through flawless scientific research, but often through a series of serendipitous events, misplaced assumptions, and flawed conclusions. The result is a story of not just a vanquished disease, but how scientific accomplishment sometimes occurs where it's least expected. Although symptoms of meningitis were recorded as early as Hippocrates and the ancient Greeks, our understanding of the disease's origins and mechanisms remained obscure for most of human history. That changed in 1892, when German physician Richard Pfeiffer observed and isolated bacteria ultimately shown to cause meningitis in children -- and concluded that those

bacteria cause influenza. *Haemophilus influenzae*, as these meningitis-causing bacteria have been erroneously named ever since, continued their strange journey to discovery in the decades that followed. *Continual Raving* traces the disease's strange encounters with science, including: - Heinrich Quincke, the German internist who first used a needle to draw spinal fluid from between a patient's back bones - Simon Flexner's management of American meningitis epidemics using immune serum from a horse - American bacteriologist Margaret Pittman's discovery (during the Great Depression, no less) of a sugar overcoat that protects the bacteria from white blood cells - Pediatrician Ashley Weech, who gave the first antibiotic used in America (based on instructions written in German) to a young patient sick with meningitis - Microbiologist Hattie Alexander, who learned why these antibiotics sometimes fail in such patients - Four scientists, in two teams, as they vied to be the first to create the right vaccine to prevent meningitis in infants In each of these deeply human stories, variables of chance, circumstance, and incorrect assumptions intervene to shape not just the arc of the scientists' lives, but the trajectory of how humans have come to understand one of our most pernicious diseases. *Continual Raving* is a mosaic tale of how science conquered meningitis -- and a larger story of the sometimes winding road to discovery.

Dengue and Dengue Hemorrhagic Fever, 2nd Edition John Wiley & Sons

In an increasingly global community, the rapid adaptation of microorganisms has facilitated the return of old communicable diseases and the emergence of new ones. *Tropical Dermatology, 2nd Edition*, provides a practical, highly illustrated approach to the diagnosis and treatment of a wide range of tropical skin diseases. In a concise and user-friendly format, it offers authoritative coverage of epidemiology, diagnosis, differential diagnosis, pathology, laboratory tests, management, and prevention for both common and rare conditions. - Examines the full range of tropical skin diseases in an easy-to-reference format, with consistently organized, templated chapters. - Structures clinical guidance by disease rather than by microbe or "bug." - Covers the key issues for travelers, important considerations for people working in the tropics, and non-infectious conditions. - Provides authoritative guidance for dermatologists, infectious disease specialists, and travel medicine physicians. - Includes new

chapters on Tungiasis, Ebola and Zika virus. - Features updates on emerging diseases and new therapies throughout. - Includes brand-new, "hard-to-find" clinical images, for a total of more than 650 full-color illustrations throughout. - Integrates the knowledge and experience of new international contributors, including recognized experts in dermatology from the United States, Europe, South America, Africa, and Asia. - Expert Consult eBook version included with purchase. This enhanced eBook experience allows you to search all of the text, figures, images, and references from the book on a variety of devices.

The New Public Health Elsevier Health Sciences

Continued geographic expansion of dengue viruses and their mosquito vectors has seen the magnitude and frequency of epidemic dengue/dengue hemorrhagic fever (DF/DHF) increase dramatically. Recent exciting research on dengue has resulted in major advances in our understanding of all aspects of the biology of these viruses, and this updated second edition brings together leading research and clinical scientists to review dengue virus

biology, epidemiology, entomology, therapeutics, vaccinology and clinical management.

World Malaria Report 2015 Elsevier Health Sciences

Encephalitis Lethargica: During and After the Epidemic is akin to a detective novel about a major medical mystery that remains unsolved. During the 1920s and 1930s a strange, very polymorphic condition affected much of the world although not at the same time everywhere and certainly not with the same symptoms. This condition, encephalitis lethargica, could cause death in a short period, or a Rip Van Winkle type of sleep that might last days, weeks or months, but could also, surprisingly, cause insomnia. Its symptoms were thought to encompass almost anything imaginable, which made its diagnosis exceedingly difficult, to the point where its existence as a distinct neurologic entity could be questioned. Furthermore, even in those patients who appeared to recover from the disease, there was a large risk that they would subsequently develop a more chronic and

devastating sequel believed to follow the disease in up to 80% of its victims, postencephalitic parkinsonism. This condition became much better known than its antecedent because of the Oliver Sacks' book, Awakenings, and the subsequent 1990 movie of the same name. Encephalitis Lethargica: During and After the Epidemic thoroughly describes the disease during the epidemic period and also details all the cases that have been reported since that time. Using language that the non-neurologist can easily understand, the book identifies the core features of this disease and tries to identify its cause. Encephalitis Lethargica: During and After the Epidemic also presents a thorough analysis of postencephalitic parkinsonism and its relationship to encephalitic lethargica. Whether this book solves the mystery of encephalitis lethargica remains to be determined, but regardless, as a result of this book, the number of clues available have been greatly increased. Accordingly, should encephalitis lethargica reappear, contemporary physicians will be prepared to diagnose and treat it because of the information provided in the book.

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