

Medical Aspects Of Chemical Warfare Textbooks Of M

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The Medical Aspects of Chemical Warfare Edward Bright Vedder 1925

Medical Aspects of Biological Warfare NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT-- OVERSTOCK SALE -- Significantly reduced list price while supplies last Addresses weaponization of biological agents. Categorizes potential agents as food, waterborne, or agricultural toxins and discusses the respective epidemiology.

Medical Aspects of Chemical Warfare 2008

Medical Consequences of Nuclear Warfare 1989

Toxic Exposures Susan L. Smith 2017-01-17 Mustard gas is typically associated with the horrors of World War I battlefields and trenches, where chemical weapons were responsible for tens of thousands of deaths. Few realize, however, that mustard gas had a resurgence during the Second World War, when its uses and effects were widespread and insidious. *Toxic Exposures* tells the shocking story of how the United States and its allies intentionally subjected thousands of their own servicemen to poison gas as part of their preparation for chemical warfare. In addition, it reveals the racialized dimension of these mustard gas experiments, as scientists tested whether the effects of toxic exposure might vary between Asian, Hispanic, black, and white Americans. Drawing from once-classified American and Canadian government records, military reports, scientists' papers, and veterans' testimony, historian Susan L. Smith explores not only the human cost of this research, but also the environmental degradation caused by ocean dumping of unwanted mustard gas. As she assesses the poisonous legacy of these chemical warfare experiments, Smith also considers their surprising impact on the origins of chemotherapy as cancer treatment and the development of veterans' rights movements. *Toxic Exposures* thus traces the scars left when the interests of national security and scientific curiosity battled with medical ethics and human rights.

Physician's Guide to Terrorist Attack Michael J. Roy 2003-10-27 Leading medical experts from the military and other branches of government comprehensively review the possible infectious disease and chemical agents that can be used in terrorist attack and the proper diagnostic and therapeutic methods for dealing with them. The book also discusses treating blast injuries, the effects of nuclear and radiological weapons, and the psychological effects of terrorist events. Comprehensive and up-to-date, *Physician's Guide to Terrorist Attack* provides physicians, health care workers, and emergency personnel with a

practical handbook for confidently and effectively diagnosing and managing the victims of terrorist attack.

PDR Guide to Biological and Chemical Warfare Response John G. Bartlett 2002 A guide for health care professionals offers information necessary to provide emergency care in the event of a biological or chemical attack, discussing symptoms associated with more than fifty toxic agents and the appropriate clinical response.

Chemical and Biological Terrorism Committee on R&D Needs for Improving Civilian Medical Response to Chemical and Biological Terrorism Incidents 1999-02-26 The threat of domestic terrorism today looms larger than ever. Bombings at the World Trade Center and Oklahoma City's Federal Building, as well as nerve gas attacks in Japan, have made it tragically obvious that American civilians must be ready for terrorist attacks. What do we need to know to help emergency and medical personnel prepare for these attacks? Chemical and Biological Terrorism identifies the R&D efforts needed to implement recommendations in key areas: pre-incident intelligence, detection and identification of chemical and biological agents, protective clothing and equipment, early recognition that a population has been covertly exposed to a pathogen, mass casualty decontamination and triage, use of vaccines and pharmaceuticals, and the psychological effects of terror. Specific objectives for computer software development are also identified. The book addresses the differences between a biological and chemical attack, the distinct challenges to the military and civilian medical communities, and other broader issues. This book will be of critical interest to anyone involved in civilian preparedness for terrorist attack: planners, administrators, responders, medical professionals, public health and emergency personnel, and technology designers and engineers.

Handbook of Chemical and Biological Warfare Agents D. Hank Ellison 2010-12-12 With terrorist groups expanding their weapons of destruction beyond bombs and bullets, chemical and biological warfare agents aren't merely limited to the battlefield anymore. In some cases, they are now being used on a new front: major metropolitan cities. And in the *Handbook of Chemical and Biological Warfare Agents*, emergency response personnel—from HazMat and Police SWAT teams to Explosive Ordnance Disposal units—will find a myriad of information on how to deal with such incidents involving dangerous chemical and biological agents. The 504-page book is formatted into a series of indices developed to facilitate rapid access to key information on chemical, biological and toxin agents, with each index cross-referenced to all others. The wealth of data not only include the physical appearance, odor, signs and symptoms of dangerous materials such as nerve agents and vesicants, but the detection and removal of such agents and the treatment of victims. Author D. Hank Ellison, a former U.S. Environmental Protection Agency emergency responder and officer in the Chemical Corps who provides chemical and biological counterterrorism training to HazMat, Police SWAT and Explosive Ordnance Disposal teams, also includes a litany of guidelines from such sources as the US Army, DOT and other agencies.

Medical Aspects of Chemical Warfare Shirley D. Tuorinsky 2008 A comprehensive source of the information available on chemical agents, this book will increase the level of preparedness and response capability of military and civilian practitioners responsible for chemical casualty care. Includes detailed explanations of chemical detectors and protection equipment, diagnosis, decontamination techniques, established and emerging countermeasures, and therapy techniques, as well as the history of chemical warfare and casualty management.

Veterans at Risk Institute of Medicine 1993-02-01 Recently, World War II veterans have come forward to claim compensation for health effects they say were caused by their participation in chemical warfare

experiments. In response, the Veterans Administration asked the Institute of Medicine to study the issue. Based on a literature review and personal testimony from more than 250 affected veterans, this new volume discusses in detail the development and chemistry of mustard agents and Lewisite followed by interesting and informative discussions about these substances and their possible connection to a range of health problems, from cancer to reproductive disorders. The volume also offers an often chilling historical examination of the use of volunteers in chemical warfare experiments by the U.S. military—what the then-young soldiers were told prior to the experiments, how they were "encouraged" to remain in the program, and how they were treated afterward. This comprehensive and controversial book will be of importance to policymakers and legislators, military and civilian planners, officials at the Department of Veterans Affairs, military historians, and researchers.

The Great Secret: The Classified World War II Disaster that Launched the War on Cancer

Jennet Conant 2020-09-08 The gripping story of a chemical weapons catastrophe, the cover-up, and how one American Army doctor's discovery led to the development of the first drug to combat cancer, known today as chemotherapy. On the night of December 2, 1943, the Luftwaffe bombed a critical Allied port in Bari, Italy, sinking seventeen ships and killing over a thousand servicemen and hundreds of civilians. Caught in the surprise air raid was the John Harvey, an American Liberty ship carrying a top-secret cargo of 2,000 mustard bombs to be used in retaliation if the Germans resorted to gas warfare. When one young sailor after another began suddenly dying of mysterious symptoms, Lieutenant Colonel Stewart Alexander, a doctor and chemical weapons expert, was dispatched to investigate. He quickly diagnosed mustard gas exposure, but was overruled by British officials determined to cover up the presence of poison gas in the devastating naval disaster, which the press dubbed "little Pearl Harbor." Prime Minister Winston Churchill and General Dwight D. Eisenhower acted in concert to suppress the truth, insisting the censorship was necessitated by military security. Alexander defied British port officials and heroically persevered in his investigation. His final report on the Bari casualties was immediately classified, but not before his breakthrough observations about the toxic effects of mustard on white blood cells caught the attention of Colonel Cornelius P. Rhoads—a pioneering physician and research scientist as brilliant as he was arrogant and self-destructive—who recognized that the poison was both a killer and a cure, and ushered in a new era of cancer research led by the Sloan Kettering Institute. Meanwhile, the Bari incident remained cloaked in military secrecy, resulting in lost records, misinformation, and considerable confusion about how a deadly chemical weapon came to be tamed for medical use. Deeply researched and beautifully written, *The Great Secret* is the remarkable story of how horrific tragedy gave birth to medical triumph.

Medical Response to Terrorism Daniel C. Keyes 2005 This comprehensive reference provides all the information emergency departments and personnel need to prepare for and respond to terrorist events. The first section covers all agents potentially used in terrorist attacks—chemical, biologic, toxicologic, nuclear, and explosive—in a systematic format that includes background, triage, decontamination, signs and symptoms, medical management, personnel protection, and guidelines for notifying public health networks. Algorithms show when to suspect and how to recognize exposure and detail signs and symptoms and management protocols. The second section focuses on all-hazards preparedness for hospitals, communities, emergency medical services, and the media, and includes an important chapter on simulation of disasters.

Medical Aspects of Chemical Warfare 2008

Disaster Medicine Gregory R. Ciottono 2006-01-01 "This new volume includes Individual Concepts and Events sections that provide information on the general approach to disaster medicine and practical

information on specific disasters. You'll also find an exhaustive list of chapters on the conceivable chemical and biologic weapons known today, as well as strategies for the management of future events, or possible scenarios, for which there is no precedent."--BOOK JACKET.

Handbook of Chemical and Biological Warfare Agents, Volume 2 D. Hank Ellison 2022-12-09 The Handbook of Chemical and Biological Warfare Agents, Volume 2: Pathogens, Mid-Spectrum, and Incapacitating Agents, Third Edition provides rapid access to key data to response professionals and decision-makers on a broad range of agents and pathogens. This volume presents information on a wide range of chemical and biological agents. Chemical agents detailed in this volume are those that were developed specifically for their non-lethal potential. The biological agents described are militarily significant pathogens that could be weaponized to pose a threat to people, animals, or crops and other agricultural interests. Mid-spectrum agents, materials that do not fit clearly into either the Chemical or the Biological Weapons Conventions, include toxins and bioregulators. Entomological agents, the final class of agents discussed in volume, are arthropods that could pose a significant threat to a country's agriculture infrastructure and be used to devastate its economy. They were proposed for inclusion in the Biological Weapons Convention but never adopted. In addition to a discussion of each of these classes of agents, coverage includes detailed information on a broad spectrum of individual agents that have been used on the battlefield, stockpiled as weapons, used or threatened to be used by terrorists, or have been otherwise assessed by qualified law enforcement and response organizations and determined to be agents of significant concern. The information presented in this edition has been updated and expanded to contain more information on toxicology, health effects, presentation of diseases, advances in medical care and treatment, as well as protective actions needed at the scene of an incident. Key Features: Focuses on the key information needed during an emergency response Provides updated toxicology, exposure hazards, physical-chemical data, and treatment of casualties Profiles the presentation of diseases in people, animals and plants Presents updated protective action distances, decontamination, and remediation information All data compiled is gathered from numerous sources and arranged into the current, easy-to-access format. In order to ensure accuracy, all data has been cross-checked over the widest variety of military, scientific and medical sources available. The Handbook of Chemical and Biological Warfare Agents, Volume 2: Pathogens, Mid-Spectrum, and Incapacitating Agents, Third Edition remains the gold-standard reference detailing the widest variety of military, scientific, and medical sources available.

Chemical and Biological Warfare Eric Croddy 2011-06-27 The armaments of chemical and biological warfare (CBW) are now widely held not just by nation-states, but by terrorist and criminal enterprises. The weapons themselves are relatively inexpensive and very easy to hide, allowing organizations of just a few dozen people to deploy potentially devastating attacks. While in the twentieth century most arms-control efforts focused, rightly, on nuclear arsenals, in the twenty-first century CBW will almost certainly require just as much attention. This book defines the basics of CBW for the concerned citizen, including non-alarmist scientific descriptions of the weapons and their antidotes, methods of deployment and defensive response, and the likelihood in the current global political climate of additional proliferation.

Secret Science Ulf Schmidt 2015 Charting the ethical trajectory and culture of military science from its development in 1915 in response to Germany's first use of chemical weapons in WW1 to the ongoing attempts by the international community to ban these weapons, Secret Science offers a comprehensive history of chemical and biological weapons research by former Allied powers

Chemical Warfare Secrets Almost Forgotten James S. Ketchum 2006-01-01

Chemical Warfare Agents James A. Romano Jr. 2007-12-17 The first edition of this book, *Chemical Warfare Agents: Toxicity at Low Levels*, was published just prior to the terrorist attacks of September 11th, 2001. Reflecting a greater sense of urgency within the field of chemical defense since this event, research related to chemical warfare agents (CWAs) continues to expand at a remarkable pace. *Chemical Warfare Agents: Pharmacology, Toxicology, and Therapeutics, Second Edition* explores the latest methods and products for preventing, diagnosing, and treating the acute and chronic effects of toxic CWA exposure. This edition cites the key developments in chemical defense research since 2001, including new epidemiological or clinical studies of exposed or potentially exposed populations; new treatment concepts and products; improved organization of the national response apparatus in the U.S. addressing the potential for CWA terrorism; and improved diagnostic tests that enable rapid diagnosis and treatment. Leading researchers explain how these breakthroughs help researchers determine physiologically relevant detection thresholds and develop more effective countermeasures and national response procedures. *Chemical Warfare Agents* provides first responders and emergency medical teams with the most up-to-date information they need to prepare for and handle natural disasters, chemical spills, terrorism, and warfare situations—quickly and effectively.

Nato Handbook - an Alliance for the 1990s North Atlantic Treaty Organization 1989

Biosecurity and Bioterrorism Jeffrey Ryan 2011-08-30 *Biosecurity and Bioterrorism* is the first book to take a holistic approach to biosecurity with coverage of pathogens, prevention and response methodology. The book is organized into four thematic sections: Part I provides a conceptual understanding of biowarfare, bioterrorism and the laws we have to counteract this; Part II investigates known bioagents and the threat from emerging diseases; Part III focuses on agricultural terrorism and food security; Part IV outlines international, US, and local initiatives for biodefense and biosecurity. Case studies illustrate biodefense against both intentional terrorism and natural outbreaks. The authors bring an extraordinary combination of experience in academia and the clinical world, as well as real-world experience in technical and practical matters, to their writing. They make technical material clear and fascinating for readers with a basic knowledge of biology. Ryan and Glarum address the hazards in the context of vulnerability assessments and the planning strategies government and industry can take to prepare for and respond to such events. * How are these agents used in biowarfare? * How likely are we to face either a natural outbreak or intentional human/animal infection? * How can we prepare for this effectively?

Miller's Anesthesia E-Book Ronald D. Miller 2014-10-20 From fundamental principles to advanced subspecialty procedures, *Miller's Anesthesia* covers the full scope of contemporary anesthesia practice. This go-to medical reference book offers masterful guidance on the technical, scientific, and clinical challenges you face each day, in addition to providing the most up-to-date information available for effective board preparation. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability. Address the unique needs of pediatric patients with guidance from an entire section on pediatric anesthesia. View more than 1,500 full-color illustrations for enhanced visual clarity. Access step-by-step instructions for patient management, as well as an in-depth analysis of ancillary responsibilities and problems. Quickly reference important concepts with 'Key Points' boxes integrated into every chapter. Stay current on today's most recent anesthetic drugs and guidelines/protocols for anesthetic practice and patient safety, and access expanded coverage on new techniques such as TEE and other monitoring procedures. Take advantage of the unique, international perspectives of prominent anesthesiologists from all over the world, including the UK, Australia, India, Brazil, and Germany. Remain at the forefront of new developments in anesthesia with coverage of hot topics including Non-OR Anesthesia; Role of the Anesthesiologist in Disasters; Sleep Medicine in

Anesthesia; Perioperative and Anesthesia-related Neurotoxicity; Anesthetic Implications of Complementary and Alternative Medicine; and Robotics. Study brand-new chapters on Perioperative Fluid Management; Extracorporeal Support Therapies; Anesthesia for Organ Donation/Procurement; and Malignant Hyperthermia and other Genetic Disorders.

Handbook of Toxicology of Chemical Warfare Agents Ramesh C. Gupta 2020-03-31 Handbook of Toxicology of Chemical Warfare Agents, Third Edition, covers every aspect of deadly toxic chemicals used in conflicts, warfare and terrorism. Including findings from experimental as well as clinical studies, this essential reference offers in-depth coverage of individual toxicants, target organ toxicity, major incidents, toxic effects in humans, animals and wildlife, biosensors and biomarkers, on-site and laboratory analytical methods, decontamination and detoxification procedures, and countermeasures. Expanding on the second edition, Handbook of Toxicology of Chemical Warfare Agents has been completely updated, presenting the most recent advances in field. Brand new chapters include a new chapter on emergency preparedness, coverage of the chemical warfare agents used in Syria, the use of the Novichok agent in the UK, and more. Unites world-leading experts to bring you cutting-edge, agent-specific information on Chemical Warfare Agents (CWA) and their adverse effects on human and animal health, and the environment Provides you with all the information you need on CWA modes of action, detection, prevention, therapeutic treatment and countermeasures New to this edition: a full update to reflect the most recent advances in the field and new chapters on emergency preparedness, the chemical warfare agents used in Syria, and the use of the Novichok agent in the UK

Medical Aspects of Biological Warfare, 2e Joel Bozue 2018-08-01 Reflecting the critical threat posed by biological warfare and terrorism in a post 9-11 world, Medical Aspects of Biological Warfare, 2e, addresses the weaponization of biological agents, categorizing potential agents as food, waterborne, or agricultural agents or toxins, and discusses their respective epidemiology. Recent advances in biomedical knowledge are presented that include descriptions of individual agents and the illnesses induced. Authors discuss biotoxins and explain methods for early identification for anthrax, plague, smallpox, alphaviruses, and staphylococcal enterotoxins. Case studies and research on successful management practices, treatments, and antidotes are also included. Contains updated and revised material since previous, 2007 edition. (Previous Print Hardcover ISBN: 9780160797316; eBook: 9780160872389) Related products: More published products by The Borden Institute, U.S. Army Medical Department (AMEDD) are here: <https://bookstore.gpo.gov/agency/army-medical-department-amedd> Arms & Weapons collection is available here: <https://bookstore.gpo.gov/catalog/arms-weapons> Click here to find resources about Hazardous Materials (HAZMAT & CBRNE). Find more Physician References and Medical Handbooks here: <https://bookstore.gpo.gov/catalog/physician-references-medical-handbooks>

Chemical and Biological Warfare Albert J. Mauroni 2007 A thorough handbook covering the facts, history, and controversies surrounding our most controversial and misunderstood unconventional weapons. * Outstanding research aids include key Internet and published references and an index offering rapid access to entries on key figures, government agencies, and defensive equipment * A chronology of chemical-biological warfare incidents from the mid-20th century onward offers a thorough historical overview

Chemical Warfare Agents Brian J. Lukey 2019-04-11 The first edition of this book, Chemical Warfare Agents: Toxicity at Low Levels, was published just prior to the terrorist attacks of September 11, 2001. The second edition titled, Chemical Warfare Agents: Pharmacology, Toxicology, and Therapeutics, included new epidemiological and clinical studies of exposed or potentially exposed populations; new treatment concepts and products; improved organization of the national response apparatus addressing

the potential for CWA terrorism; and improved diagnostic tests that enable rapid diagnosis and treatment. Since the second edition, the chemical warfare agent community has worked hard to advance research for protection and treatment and develop/improve response approaches for individuals and definitive care. Consequently, in addition to updating previous chapters, *Chemical Warfare Agents: Biomedical and Psychological Effects, Medical Countermeasures, and Emergency Response, Third Edition* features several new chapters that address the Syrian War, chemical destruction, the Organisation for the Prohibition of Chemical Weapons, biomarkers for chemical warfare agent exposure, field sensors, aircraft decontamination, lung/human on a chip, chemical warfare response decision making, and other research advancements. Features: Describes the newest medical interventions, and the latest technologies deployed in the field, as well as developments in the international response to CW usage highlighting recent events in the Middle East Discusses the latest in organizational/interagency partitioning in terms of responsibilities for emergency response, not just in the United States but at the international level—whether prevention, mitigation, medical care, reclamation, or medico-legal aspects of such response Contains the most current research from bench-level experts The third edition contains the most up-to-date and comprehensive coverage of the question of chemical warfare agent employment on the battlefield or in terrorism. Edited by workers that have been in the field for 35+ years, it remains faithful to the scientific "constants," while evaluating and crediting the advances by the industry that have made us safer.

[Chemical Warfare Agents](#) Brian J. Lukey 2000-12-07 Many books cover the emergency response to chemical terrorism. But what happens after the initial crisis? Chlorine, phosgene, and mustard were used in World War I. Only years after the war were the long-term effects of these gases realized. In the 60s, 70s, and 80s, these and other agents were used in localized wars. *Chemical Warfare Agents: Toxicity at Low Levels* explores the long range effects of, protection against, and remedies for chemicals used during war and the chronic problems possibly resulting from toxic exposures during the Persian Gulf War.

[Medical Aspects of Biological Warfare](#) Zygmunt F. Dembek 2008-02 NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT-- OVERSTOCK SALE -- Significantly reduced list price while supplies last Addresses weaponization of biological agents. Categorizes potential agents as food, waterborne, or agricultural toxins and discusses the respective epidemiology.

Medical Aspects of Chemical Warfare (2008) United States Government Us Army 2016-11-13 *Medical Aspects of Chemical Warfare (2008)* - a comprehensive source of the information available on chemical agents, this book will increase the level of preparedness and response capability of military and civilian practitioners responsible for chemical casualty care. Includes detailed explanations of chemical detectors and protection equipment, diagnosis, decontamination techniques, established and emerging countermeasures, and therapy techniques, as well as the history of chemical warfare and casualty management.

Handbook of Toxicology of Chemical Warfare Agents Ramesh C. Gupta 2009-04-02 This groundbreaking book covers every aspect of deadly toxic chemicals used as weapons of mass destruction and employed in conflicts, warfare and terrorism. Including findings from experimental as well as clinical studies, this one-of-a-kind handbook is prepared in a very user- friendly format that can easily be followed by students, teachers and researchers, as well as lay people. Stand-alone chapters on individual chemicals and major topics allow the reader to easily access required information without searching through the entire book. This is the first book that offers in-depth coverage of individual toxicants, target organ toxicity, major incidents, toxic effects in humans, animals and wildlife, biosensors, biomarkers, on-site and laboratory analytical methods, decontamination and detoxification procedures,

prophylactic, therapeutic and countermeasures, and the role of homeland security. Presents a comprehensive look at all aspects of chemical warfare toxicology in one reference work. This saves researchers time in quickly accessing the very latest definitive details on toxicity of specific agents used in chemical warfare as opposed to searching through thousands of journal articles. Will include the most agent-specific information on the market Includes detailed coverage of the most exhaustive list of agents possibly used as chemical warfare agents in one source. Section 4: Agents That Can Be Used as Weapons of Mass Destruction ? 25 chapters long. Other books on the market only include a sample selection of specific agents. Offering all possible agents detailed under one cover makes this appealing to a wider audience and saves researchers time The Forward will be written by Dr. Tetsuo Satoh, Chiba University, Japan. He is one of the most respected, recognizable authorities on chemical warfare agents which will set the authoritative tone for the book Covers risk to humans, animals and the environment equally. Researchers involved in assessing the risks involved with a possible chemical warfare attack and those who are developing response plans to such attacks must look at not only the risks to human health but to our wildlife and environment as well. The holistic approach taken in this book ensures that the researchers have ready access to the details no matter which aspect of the effects of CWA's they might be concerned with

Chemical Warfare Toxicology Franz Worek 2016-05-17 This book provides an up-to-date treatise on the on-going research into the toxicology of chemical warfare agents, the diagnosis and verification of exposure, and the pre- and post-exposure treatment of poisoning.

Chemical Warfare Agents Timothy T. Marrs 2007-04-04 Chemical Warfare Agents, Second Edition has been totally revised since the successful first edition and expanded to about three times the length, with many new chapters and much more in-depth consideration of all the topics. The chapters have been written by distinguished international experts in various aspects of chemical warfare agents and edited by an experienced team to produce a clear review of the field. The book now contains a wealth of material on the mechanisms of action of the major chemical warfare agents, including the nerve agent cyclosarin, formally considered to be of secondary importance, as well as ricin and abrin. Chemical Warfare Agents, Second Edition discusses the physico-chemical properties of chemical warfare agents, their dispersion and fate in the environment, their toxicology and management of their effects on humans, decontamination and protective equipment. New chapters cover the experience gained after the use of sarin to attack travellers on the Tokyo subway and how to deal with the outcome of the deployment of riot control agents such as CS gas. This book provides a comprehensive review of chemical warfare agents, assessing all available evidence regarding the medical, technical and legal aspects of their use. It is an invaluable reference work for physicians, public health planners, regulators and any other professionals involved in this field. Review of the First Edition: "What more appropriate time for a title of this scope than in the post 9/11 era? ...a timely, scholarly, and well-written volume which offers much information of immense current and...future benefit." —VETERINARY AND HUMAN TOXICOLOGY

Weapons of Mass Destruction: Nuclear weapons 2005

Handbook on Biological Warfare Preparedness S.J.S. Flora 2019-10-05 Handbook on Biological Warfare Preparedness provides detailed information on biological warfare agents and their mode of transmission and spread. In addition, it explains methods of detection and medical countermeasures, including vaccine and post-exposure therapeutics, with specific sections detailing diseases, their transmission, clinical signs and symptoms, diagnosis, treatment, vaccines, prevention and management. This book is useful reading for researchers and advanced students in toxicology, but it will also prove

helpful for medical students, civil administration, medical doctors, first responders and security forces. As the highly unpredictable nature of any event involving biological warfare agents has given rise to the need for the rapid development of accurate detection systems, this book is a timely resource on the topic. Introduces different bacterial and viral agents, including Ebola and other emerging threats and toxins Discusses medical countermeasures, including vaccines and post-exposure therapeutics Includes a comprehensive review of current methods of detection

Chemical Warfare Bulletin 1927

Usamriid's Medical Management of Biological Casualties Handbook Army Medical Research Institute for Infectious Diseases (U S) 2016-06-09 Supplies basic summary and treatment information quickly for the health care provider on the front lines. Provides concise supplemental reading material to assist in education of biological casualty management. Edge indexed.

Compendium of Chemical Warfare Agents Steven L. Hoenig 2006-11-25 Highly lethal chemicals may be the new weapons of choice among terrorist groups throughout the world. This is a grave concern for all First Responders and Emergency Management personnel. This book furnishes the critical information to deal with this threat and provides all the necessary information that First Responders, Hospitals, HazMat Teams, Fire and Rescue Services, and other First Responders need to know when dealing with dangerous chemical agents.

Clinical Calculations - E-Book Joyce LeFever Kee 2020-06-12 Learn to calculate drug dosages safely, accurately, and easily with Kee's Clinical Calculations, 9th Edition! This market-leading text covers all four major drug calculation methods, including ratio & proportion, formula, fractional equation, and dimensional analysis. It also includes practice problems for both general care as well as specialty areas such as pediatrics, labor and delivery, critical care, and community nursing. With its market-leading, comprehensive coverage; strong emphasis on patient safety; and the incorporation of the latest information on antidiabetic agents, anticoagulant agents, drug administration techniques, and devices; Kee remains the winning choice for easy drug calculation mastery. Coverage of all four major drug calculation methods includes ratio & proportion, formula, fractional equation, and dimensional analysis to help you learn and apply the method that works best for you. The latest information on drug administration techniques and devices helps you master the most up-to-date techniques of drug administration, including oral, intravenous, intra-muscular, subcutaneous, and other routes. Caution boxes provide alerts to problems or issues related to various drugs and their administration. Information on infusion pumps covers enteral, single, multi-channel, PCA, and insulin; and explains their use in drug administration. Calculations for Specialty Areas section addresses the drug calculations needed to practice in pediatric, critical care, labor and delivery, and community settings. Detailed, full-color photos and illustrations show the most current equipment for IV therapy, the latest types of pumps, and the newest syringes. Comprehensive post-test lets you test your knowledge of key concepts from the text. NEW! Updated information on Antidiabetic Agents (orals and injectables) has been added throughout the text where appropriate. NEW! Updated content on Anticoagulant Agents is housed in an all-new chapter. NEW! Colorized abbreviations for the four methods of calculation (BF, RP, FE, and DA) appear in the Example Problems sections. NEW! Updated content and patient safety guidelines throughout the text reflects the latest practices and procedures. NEW! Updated practice problems across the text incorporate the latest drugs and dosages.

Nerve Agents Poisoning and its Treatment in Schematic Figures and Tables Jiri Bajgar 2012-03-15 Organophosphate compounds, first synthesized in the 1800s, have been used for insecticides, pesticides,

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and in war and terrorism, such as the 1995 Tokyo subway poisoning. This book provides an in-depth examination of the effects of organophosphates and nerve agents and offers therapeutic and prophylactic countermeasures. Beginning with an overview of milestones in the use of toxic chemicals and chemical warfare agents, the formulae and toxicities of compounds are given, along with tables outlining animal toxicities. Data on various compounds' inhibitions and subsequent accumulations are also provided. Along with data on organophosphates and nerve agents, possible first aid and medical responses are compared among potential responses in the United States and other countries in the east and west. Using clear schematics and tables, this book provides a detailed account of the most common organophosphates and nerve agents, ideas of how to countermeasure their effects, and offers detailed suggestions for where research needs to proceed in the future. This book will prove useful to students, researchers, and military personnel needing to know more about how to deal with nerve agents. Dedicated to organophosphates/nerve agent, this book contains tables on toxicities in animals and simple figures useable for brief orientation and education