1. Record Nr. UNINA9910876910203321 Autore Khardori Nancy Titolo Bioterrorism preparedness: medicine - public health - policy / / edited by Nancy Khardori Weinheim,: Wiley-VCH Pubbl/distr/stampa [Chichester, : John Wiley [distributor]], 2006 **ISBN** 1-280-72344-0 9786610723447 3-527-60813-3 3-527-60773-0 Descrizione fisica 1 online resource (277 p.) Disciplina 363.1 Soggetti **Bioterrorism** Bioterrorism - Health aspects Bioterrorism - Prevention - International cooperation Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Bioterrorism Preparedness; List of Contents; Preface; List of Authors; 1 Potential Agents of Bioterrorism: Historical Perspective and an Overview; 1.1 Historical Perspective - How We Got Here; 1.2 Development of Modern Biological Weapons; 1.3 Biological Weapons Systems: 1.4 Potential Bioterrorism Agents - Categorization and Prioritization; 1.5 Category B - Bacterial/Rickettsial Agents of Bioterrorism; 1.5.1 Brucellosis; 1.5.2 Glanders and Melioidosis; 1.5.3 Psittacosis: 1.5.4 Q Fever: 1.5.5 Typhus Fever: 1.5.6 Food and Water Safety Threats; 1.6 Category B - Viral Agents of Bioterrorism 1.6.1 Alphavirus Encephalomyelitis1.7 Category B - Biological Toxins for Bioterrorism; 1.7.1 Enterotoxin B; 1.7.2 Epsilon (Alpha Toxin); 1.7.3 Ricin Toxin: 1.7.4 T-2 Mycotoxins: 1.8 Other Toxins With Potential for Bioterrorism; 1.8.1 Nipah and Hendra Viruses; 1.9 Emerging Threats and Potential Agents of Bioterrorism: 1.9.1 Pandemic Influenza -Human and Avian Influenza Viruses; 1.9.2 Severe Acute Respiratory

Syndrome (SARS) - SARS-associated Coronavirus (SARS-COV); 1.9.3

Other Emerging Threats; 2 Bioterrorism Preparedness: Historical

Perspective and an Overview; 2.1 Introduction

2.2 International Biodefense Actions in the Nineteenth Century and Their Impact2.3 Civilian Biodefense - The Obstacles; 2.4 Bioterrorism Preparedness - The Rationale; 2.5 Bioterrorism Preparedness - The Avenues; 2.5.1 Public Health Laws; 2.5.2 Public Health System Preparedness; 2.5.3 Political Preparedness; 2.5.4 Bioterrorism Preparedness - Global Avenues; 3 Care of Children in the Event of Bioterrorism; 3.1 Introduction; 3.2 Increased Vulnerability of Children; 3.2.1 Anatomic and Physiological Features Placing Children at Increased Risk of Vulnerability

3.2.2 Developmental Factors Involved in Increased Vulnerability of Children3.2.3 Delayed Diagnosis in Children; 3.2.4 Unique Management Needs of Children; 3.2.5 Decontamination Showers; 3.2.6 Doses of Medication; 3.2.7 Size of Equipment; 3.2.8 Training of Healthcare Workers to Meet the Special Needs of Children; 3.2.9 Communication with Children about Disasters; 3. 2. 10 Communication with Adolescents about Disasters; 3.3 Categories of Biological Agents and Toxins; 3.3.1 Smallpox (Variola); 3.3.2 Anthrax; 3.3.3 Botulism; 3.3.4 Plague; 3.3.5 Tularemia

4 Smallpox: Virology, Clinical Presentation, and Prevention4.1 Introduction; 4.2 History; 4.3 Virology; 4.4 Clinical Features and Classification; 4.4.1 Rash and Prognosis; 4.5 The Stages of Smallpox; 4.5.1 Incubation Period; 4.5.2 Pre-eruptive Stage; 4.5.3 Eruptive Stage; 4.6 Ordinary Type; 4.6.1 Death; 4.7 Modified-type; 4.7.1 Variola Sine Eruptione and Subclinical Infection; 4.8 Flat-type; 4.9 Hemorrhagic-type; 4.10 Early Hemorrhagic-type; 4.11 Late Hemorrhagic-type; 4.12 Complications; 4.12.1 Skin; 4.12.1 Respiratory; 4.12.1 Gastrointestinal; 4.12.1 Neurological; 4.12.1 Ophthalmic

4.12.1 Osteo-articular

Sommario/riassunto

Meeting the acute need for a book determining the crucial elements of bioterrorism preparedness, this is a global perspective of the history and current concepts for bioterrorism, integrating the legal, medical, scientific and public health strategies. It furthermore discusses the role of WHO and international health regulations for bioterrorism preparedness. For microbiologists, epidemiologists, biotechnologists, public health agencies, and pharmaceutists.