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Nota di contenuto	Title Page; Copyright Page; Contents; List of Contributors; Preface; SECTION 1 The Pathogenic Clostridia; Chapter 1 Taxonomic Relationships among the Clostridia; Bibliography; Chapter 2 General Physiological and Virulence Properties of the Pathogenic Clostridia; Introduction; Anaerobic metabolism; Major clostridial diseases; The onset of clostridial infections; The key role of protein toxins in clostridial disease; The key role of spores in the epidemiology of clostridial disease; Conclusions; Bibliography; Chapter 3 Brief Description of Animal Pathogenic Clostridia; Bibliography SECTION 2 Toxins Produced by the Pathogenic Clostridia Chapter 4 Toxins of Histotoxic Clostridia: Clostridium chauvoei, Clostridium septicum, Clostridium novyi, and Clostridium sordellii; Introduction; A - Intracellularly active toxins from histotoxic clostridia; B - Membrane-damaging toxins from histotoxic clostridia; Phospholipases; Bibliography; Chapter 5 Toxins of Clostridium perfringens; Introduction; A - Major toxins; B - Other toxins; Bibliography; Chapter 6 Toxins of Clostridium difficile; Introduction; Toxins A and B; C. difficile ADP-ribosylating toxin (CDT) Hypervirulence of C. difficile and its potential mechanisms Immunotherapy of C. difficile infections; Conclusion; Bibliography; Chapter 7 Clostridium botulinum and Clostridium tetani neurotoxins; Introduction; Clostridia producing botulinum neurotoxins; Clostridium

tetani; Susceptibility of animal species to clostridial neurotoxins; Structure of clostridial neurotoxins; Mode of action of clostridial neurotoxins; Concluding remarks; Bibliography; SECTION 3 Clostridial Infections of the Gastrointestinal System; Chapter 8 Diseases produced by Clostridium perfringens type A in mammalian species Introduction Yellow lamb disease; Other enteric diseases produced by Clostridium perfringens type A in mammals; Clostridium perfringens beta 2 toxin-associated gastrointestinal disease; Bibliography; Chapter 9 NetF-associated necrotizing enteritis of foals and canine hemorrhagic gastroenteritis; Introduction; Etiology; Epidemiology and clinical findings; Gross changes; Microscopic changes; Diagnosis; Bibliography; Chapter 10 Necrotic enteritis of poultry; Introduction; Epidemiology; Etiology and pathogenesis; Host response; Predisposing factors; Clinical signs; Gross changes Microscopic changes Prophylaxis; Diagnosis; Bibliography; Chapter 11 Infections by Clostridium perfringens type B; Introduction; Etiology; Clinical signs; Gross changes; Microscopic changes; Diagnosis; Prevention and treatment; Bibliography; Chapter 12 Diseases produced by Clostridium perfringens type C; Diseases of mammalian species; Necrotic enteritis of poultry; Bibliography; Chapter 13 Diseases Produced by Clostridium perfringens type D; Introduction; Etiology; Epidemiology and pathogenesis; Clinical signs; Gross changes; Microscopic changes; Diagnosis; Prophylaxis and treatment Bibliography
