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Nota di contenuto	Overview -- Chapter 1: Chagas disease: past, present and future -- The agent -- Chapter 2: <i>Trypanosoma cruzi</i> Journey from the Insect Vector to the Host Cell -- Chapter 3: A panoramic view of the immune response to <i>Trypanosoma cruzi</i> infection -- Epidemiology -- Chapter 4: Epidemiology of Chagas Disease -- Chapter 5: Chagas Disease in Europe -- Chapter 6: Chagas Disease in the United States (USA) -- Diagnosis -- Chapter 7: Diagnosis of Chagas disease -- Clinical aspects -- Chapter 8: Acute vector-borne Chagas disease -- Chapter 9: Congenital Chagas Disease -- Chapter 10: Chronic <i>Trypanosoma cruzi</i> Infection: Decision Making in the Midst of Uncertainty -- Chapter 11: Orally-Transmitted Chagas Disease: a Neglected Foodborne Infection -- Chapter 12: Gastrointestinal Chagas Disease -- Chapter 13: Chagas in immunosuppressed patients -- Treatment -- Chapter 14: CLINICAL PHARMACOLOGY OF DRUGS FOR THE TREATMENT OF CHAGAS DISEASE -- Chapter 15: In vivo Drug Testing for Experimental <i>Trypanosoma cruzi</i> Infection -- Chapter 16: Chagas Disease Treatment Efficacy Biomarkers: Myths and Realities.

Sommario/riassunto

Chagas disease is a potentially life threatening condition that was historically mainly endemic to Latin America. Over the last decade, however, the disease has spread to and is increasingly prevalent in other continents such as North America and Europe, with an estimated 7 million people infected worldwide. It is primarily transmitted by insect vectors that carry the parasite *Trypanosoma cruzi*, the disease agent. In areas where there is vector control and in non-endemic countries, it is mainly transmitted via congenital infection. Cardiac and gastrointestinal complications are common in untreated individuals. This book offers a comprehensive overview of Chagas disease, including its vectorial and congenital transmission, and molecular diagnosis, which is essential for screening, and developing and providing timely, effective anti-trypanosomal treatment. Written by experts working with infected patients on a daily basis, it discusses the pathogenesis of congenital, cardiac, gastrointestinal and oral Chagas disease, as well as its treatment and the pharmacological aspects of drug development in this area. The chapter, 'Chagas Disease Treatment Efficacy Biomarkers: Myths and Realities' is available open access under a Creative Commons Attribution 4.0 International License via link. springer.com.
