

1. Record Nr.	UNINA9910349444703321
Titolo	Chagas Disease : A Clinical Approach // edited by Jaime Marcelo Altcheh, Hector Freilij
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-00054-0
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (XII, 356 p. 48 illus., 34 illus. in color.)
Collana	Birkhäuser Advances in Infectious Diseases, , 2504-3811
Disciplina	611.01816 616.9363
Soggetti	Molecular biology Parasitology Infectious diseases Molecular Medicine Infectious Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Overview -- Chapter 1: Chagas disease: past, present and future -- The agent -- Chapter 2: Trypanosoma cruzi Journey from the Insect Vector to the Host Cell -- Chapter 3: A panoramic view of the immune response to Trypanosoma cruzi 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 Trypanosoma cruzi 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 Trypanosoma cruzi Infection -- Chapter 16: Chagas Disease Treatment Efficacy Biomarkers: Myths and Realities.

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](https://www.springer.com).
