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Biomedicine : Molecular Medicine

Altcch, Jaime Marcelo, Freilij, Hector (Eds.)

Chagas Disease

A Clinical Approach

- Complete overview of Chagas disease; its transmission, pathogenesis, diagnosis and treatment
- Discusses molecular diagnosis of the disease and the use of proteomic biomarkers in clinical practice
- Explores possible future pharmacological developments for the treatment of infected individuals

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. Chapter "Chagas Disease Treatment Efficacy Biomarkers: Myths and Realities" is available open access under a [via link.springer.com](https://link.springer.com).

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