Paleoparasitology of Chagas disease-A Review

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abstract

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Chagas zoonosis disease is of the most important neglected disease with wide spread in South America The causative agent is the kinetoplastida *T. cruzi.*

It has been proposed that the cruzi clade originated on the super-continent formed by South America, Aus­tralia and Antarctica. The first American settlement was in coastal region of the Atacama Desert in where they could be contaminated with Triatoma bug. There is an idea that first contamination of human is at the entrance time to America in pre-Columbian era. The next spread of human was toward south and north of America about 12000 years ago.

It can be concluded that infected human could have an important role in spreading of Chagas disease.

Molecular study of Chagas disease can bring out some flourishing idea about the genetic evolution and its impact on the clinical features during adaptation to the hosts.

Keywords: paleoparasitology, Chagas disease, *Trypanosoma cruzi*