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Chagas disease in a pediatric hospital and maternal infant of an endemic area from Argentina

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Introduction: Chagas disease, from the south of the United States to the south of Argentina with 20 million people infected, in particular, through congenital transmission (third transmission route).

Objectives: To inform the location of patients with positive serology found in Formosa, in the hospital La Madre y el Niño. Positive newborns, pediatric and mothers with positive serology in a period from 1 July to 30 November 2014. To know the prevalence of Chagas in the period 2012 to 2014 of the Mother and Child Hospital, and Formosa Argentina, by age group.

Materials & Methods: It is a descriptive observational study. We analyzed patients with positive serology of Chagas disease in the hospital Madre y el Niño, from 2012 to 2014. The data of the pediatric infectology service of said hospital, records, clinical histories and laboratory records. from the hospital.

Results: 100 patients with positive serology for Chagas were found in the period, of whom 19 were newborns, 3 were children and the rest were pregnant. Of Formosa, 52% of villages in the interior, 40%. Pregnant women (78%) with a mean age of 27 years, 16 years of age, of aboriginal race were 5%. Congenital Chagas were not from Formosa Capital. The results of the center of zoonoses presented mode of 5% in the age groups being the average 15% (1% to 42%). The lowest percentage per year was found in children aged 2 to 4 years, while the highest percentage per year was found in those over 65 years of age.

Conclusion: The prevalence of Chagas disease in this study was lower than expected due to the prevalence reported in previous studies conducted in the region; however, finding children with the disease not previously treated show us that the prenatal screening system needs to be increased.

Biography

Romano Jose Rene is a Medical Specialist in Cardiology. He was trained in an endemic region for Chagas disease, as a Doctor and later as a Cardiologist. He has performed several observational research projects that were presented at national and international conferences. He is currently a Member of the Chagas Commission of the Argentine Federation of Cardiology.

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