**Article title**

Assessment professional competence and risk factors perception of *Toxoplasma gondii* at the Cuba National Zoo Park and Zoo Garden of Rio de Janeiro, Brazil

**Running title**

Echarte GV- Assessment risk factors of *Toxoplasma gondii* in two zoos

VILLAR ECHARTE, Ginette 1,2,3\*; SUÁREZ FERNÁNDEZ, Yolanda Emilia 4; MENDES AUGUSTO, Anderson 5, CARVALHO SANTOS, Ana Letícia 2, MACEDO LIMA DANTAS, Marcia 2, COX IRAOLA, Raymundo 6, REIS AMENDOEIRA Maria Regina 2

1. Programa de Pós-Graduação *Stricto Sensu* em Medicina Tropical, Instituto Oswaldo Cruz, Rio de Janeiro, Brasil.

2. Laboratório de Toxoplasmose e outras Protozooses, Instituto Oswaldo Cruz/Fiocruz, Rio de Janeiro, Brasil.

3. Parque Zoológico Nacional de Cuba.

4. Universidad Agraria de La Habana, Mayabeque, Cuba.

5. Jardim Zoológico da Cidade do Rio de Janeiro, Brasil.

6. Laboratorio de Toxoplasmosis, Instituto de Medicina Tropical “Pedro Kourí”, Cuba.

ACKNOWLEDGMENT

The authors would thank the workers at the Cuba National Zoological Park and at RIOZOO, who took part in this research and the staff at the Toxoplasmosis Laboratory at the "Pedro Kouri" Tropical Medicine Institute in Cuba and at the Toxoplasmosis and other Protozoosis Laboratory at Institute Oswaldo Cruz/Fiocruz, Rio de Janeiro in Brazil, where the samples of workers were processed.

FINANCIAL SUPPORT

The authors gratefully acknowledge the Brazilian research funding agency: Coordination of Improvement of Higher Level Personnel [Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES)] for their financial support of this research.