

Accepted Manuscript

Host and *Toxoplasma gondii* genetic and non-genetic factors influencing the development of ocular toxoplasmosis: A systematic review

Carolina Fernández, Jesús Jaimes, María Camila Ortiz, Juan David Ramírez

PII: S1567-1348(16)30277-5
DOI: doi: [10.1016/j.meegid.2016.06.053](https://doi.org/10.1016/j.meegid.2016.06.053)
Reference: MEEGID 2828

To appear in:

Received date: 12 May 2016
Revised date: 29 June 2016
Accepted date: 30 June 2016

Please cite this article as: Fernández, Carolina, Jaimes, Jesús, Ortiz, María Camila, Ramírez, Juan David, Host and *Toxoplasma gondii* genetic and non-genetic factors influencing the development of ocular toxoplasmosis: A systematic review, (2016), doi: [10.1016/j.meegid.2016.06.053](https://doi.org/10.1016/j.meegid.2016.06.053)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Host and *Toxoplasma gondii* genetic and non-genetic factors influencing the development of ocular toxoplasmosis: a systematic review

Carolina Fernández^{1,2*}, Jesús Jaimes^{1,2*}, María Camila Ortiz^{1,2*}, Juan David Ramírez²⁺

¹ Escuela de Medicina y Ciencias de la Salud, Universidad del Rosario, Bogotá, Colombia.

² Grupo de Investigaciones Microbiológicas – UR (GIMUR), Programa de Biología, Facultad de Ciencias Naturales y Matemáticas, Universidad del Rosario, Bogotá, Colombia.

*These authors contributed equally to this manuscript

+Corresponding author: Juan David Ramírez, Grupo de Investigaciones Microbiológicas – UR (GIMUR), Programa de Biología, Facultad de Ciencias Naturales y Matemáticas, Universidad del Rosario, Bogotá – Colombia. E-mail: juand.ramirez@urosario.edu.co

Abstract

Toxoplasmosis is a cosmopolitan infection caused by the apicomplexan parasite *Toxoplasma gondii*. This infectious disease is widely distributed across the world where cats play an important role in its spread. The symptomatology caused by this parasite is diverse but the ocular affectation emerges as the most important clinical phenotype. Therefore, we conducted a systematic review of the current knowledge of ocular toxoplasmosis from the genetic diversity of the pathogen towards the treatment available for this infection. This review represents an update to the scientific community regarding the genetic diversity of the parasite, the genetic factors of the host, the molecular pathogenesis and its association with disease, the available diagnostic tools and the available treatment of patients undergoing ocular toxoplasmosis. This review will be an update for the scientific community in order to encourage researchers to deploy cutting-edge investigation across this field.

Download English Version:

<https://daneshyari.com/en/article/5908105>

Download Persian Version:

<https://daneshyari.com/article/5908105>

[Daneshyari.com](https://daneshyari.com)