

Accepted Manuscript

Title: Color vision impairments with low-level methylmercury exposure of an Amazonian population – Brazil

Authors: Cláudia Feitosa-Santana, Givago da Silva Souza, Esaú Sirius Ventura Pupo, Anderson Raiol Rodrigues, Maria Izabel Tentes Cortes, Dora Fix Ventura



PII: S0161-813X(18)30029-9
DOI: <https://doi.org/10.1016/j.neuro.2018.01.010>
Reference: NEUTOX 2288

To appear in: *NEUTOX*

Received date: 1-8-2017
Revised date: 27-1-2018
Accepted date: 30-1-2018

Please cite this article as: Feitosa-Santana Cláudia, da Silva Souza Givago, Pupo Esaú Sirius Ventura, Rodrigues Anderson Raiol, Cortes Maria Izabel Tentes, Ventura Dora Fix. Color vision impairments with low-level methylmercury exposure of an Amazonian population – Brazil. *Neurotoxicology* <https://doi.org/10.1016/j.neuro.2018.01.010>

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.

Color vision impairments with low-level methylmercury exposure of an Amazonian population – Brazil

Cláudia Feitosa-Santana^{1,2,3,4}, Givago da Silva Souza⁵, Esaú Sirius Ventura Pupo², Anderson Raiol Rodrigues³, Maria Izabel Tentes Cortes⁶ & Dora Fix Ventura^{3,6}

¹Hospital Israelita Albert Einstein, São Paulo, Brazil.

²Universidade Federal do ABC, São Paulo, Brazil.

³Núcleo de Neurociências e Comportamento, Universidade de São Paulo, São Paulo, Brazil.

⁴Departamento de Psicologia Experimental, Instituto de Psicologia, Universidade de São Paulo, São Paulo, Brazil.

⁵Núcleo de Medicina Tropical, Universidade Federal do Pará, Pará, Brazil.

⁶Universidade Federal do Amapá, Macapá, Brazil.

Author Correspondence: Cláudia Feitosa-Santana - Hospital Israelita Albert Einstein - Av. Albert Einstein, 627/701 - São Paulo, SP 05651-901. E-mail: claudia@feitosa-santana.com

Highlights

- Low-level methylmercury-exposure correlates with color vision losses in Amazon
- First color vision study in central Amazon, previous ones were all in the eastside
- Adults living in central Amazon have worse color vision than no Hg-exposed ones
- Losses in long-term exposure to low-level methylmercury are wider spread in Amazon
- Changes in public health policy are necessary for the safety of Amazonian population

Download English Version:

<https://daneshyari.com/en/article/8550159>

Download Persian Version:

<https://daneshyari.com/article/8550159>

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