

## COMUNICAÇÃO

### ABSENCE OF CROSS-REACTIVITY BETWEEN DENGUE AND HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 (HIV-1)

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An association between malaria, schistosomiasis and tropical splenomegaly and human immunodeficiency virus type 1 (HIV-1) seropositivity has been observed in Africa<sup>1, 2</sup>. Recently, the cross-reactivity between infection with *Schistosoma mansoni* and HIV-1 seropositivity was not confirmed in Brazil<sup>5</sup>. The potential cross-reactivity among other endemic of epidemic diseases in developing countries and HIV-1 has not been investigated as of yet. We studied the possible cross-reactivity between dengue (break bone fever) and HIV-1.

In December, 1986 there were 3000 cases of dengue and 10 cases of Acquired Immunodeficiency Syndrome (AIDS) in Ceará State in Northeast of Brazil<sup>3, 4</sup>. We analyzed sera of 89 individuals with dengue in this State (46 males and 43 females; mean age =  $32 \pm 16$  years). All sera were tested by ELISA (Salk Dupont Laboratories) and all of them were negative for HIV-1 antibodies in at least two of three

examinations. This result demonstrates that there was no cross-reactivity between dengue and HIV-1 in the investigated Brazilian patients.

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Recebido para publicação em 22/6/87.