

Neurological manifestation on *Leishmania siamensis*: existed or not?

Existem manifestações neurológicas na *Leishmania siamensis*?

Dear Editor,

Leishmaniasis is an important insect borne infection that is endemic in South America, Africa and the Middle East. However, within the recent few years, the new infection due to *Leishmania siamensis* is observed in Southeast Asia^{1,2}. This new species of *Leishmania* can cause both visceral and cutaneous forms of clinical manifestation. Focusing on neurological manifestation, Petersen and Greenlee reported that “there are multiple reported instances both in human and veterinary medicine where neurologic manifestations, whether central or peripheral³.” In fact, Llanos-Cuentas et al. mentioned that neurological manifestation of leishmaniasis is possible

and can be forgotten⁴. Llanos-Cuentas et al. proposed that “in patients from *Leishmania*-endemic areas, when observing neurological symptoms, causation secondary to infection with *Leishmania* spp. may be considered⁴.” Focusing on the new species infection from Thailand, there has never been information regarding neurological manifestation. Here, the authors tried to summarize the previous reports on this new infection. Of available reports on 8 cases of infection^{1,2,5} there is no observed neurological manifestation. Further studies on the possibility of neurological involvement of *Leishmania siamensis* is the topic for further research.

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