

Cerebral Neurocysticercosis due to *Taenia martis*, the Third Species That Needs Attention

Beuy Joob^{1,*} and Viroj Wiwanitkit²

¹Sanitation 1 Medical Academic Center, Bangkok, Thailand

²Faculty of Biological Science, Joseph Ayobabalola University, Ikeji-Arakeji, Nigeria

*Corresponding author: Beuy Joob, Sanitation 1 Medical Academic Center, Bangkok Thailand. Tel: +66-24658292, Fax: +66-24658292, E-mail: beuyjoob@hotmail.com

Received 2015 July 27; Accepted 2015 July 28.

Keywords: Cerebrum, Cysticercosis, Species

Dear Editor,

One of the most important cestode infestations is cysticercosis. It can affect the cerebrum hemisphere and result in neurocysticercosis. The main cause of cerebral neurocysticercosis is *Taenia solium* (1). However, there are continuous reports on new species able to induce cerebral neurocysticercosis. The second species in human beings mentioned to cause cerebral neurocysticercosis is *Taenia asiatica* (2). The disease is sporadically seen in tropical East and Southeast Asia. However, there is a recent report on the third species cerebral neurocysticercosis (3). Brunet et al. reported neurocysticercosis due to *Taenia martis* in an immunocompromised host. In fact, *Taenia martis* has been described in human beings for a few years but not in brain (3). The new species cerebral neurocysticercosis is an actual challenge. The exact pathophysiological process of infection, epidemiology and disease transmis-

sion are still unknown for neurology and infectious diseases specialty fields, which needs further studies.

References

1. Bouteille B. [Epidemiology of cysticercosis and neurocysticercosis]. *Med Sante Trop.* 2014;**24**(4):367-74. doi:10.1684/mst.2014.0378. [PubMed: 25296005]
2. Galán-Puchades M, Fuentes MV. Neurocysticercosis, *Taenia asiatica* and Cheju Island in Korea. *Trends Parasitol.* 2001;**17**(10):469-70. doi:10.1016/S1471-4922(01)02089-x. [PubMed: 11642258]
3. Brunet J, Benoild A, Kremer S, Dalvit C, Lefebvre N, Hansmann Y, et al. First Case of Human Cerebral *Taenia martis* Cysticercosis. *J Clin Microbiol.* 2015;**53**(8):2756-9. doi: 10.1128/JCM.01033-15. [PubMed: 26019196]
4. Eberwein P, Haeupler A, Kuepper F, Wagner D, Kern WV, Muntau B, et al. Human infection with marten tapeworm. *Emerg Infect Dis.* 2013;**19**(7):1152-4. doi: 10.3201/eid1907.121114. [PubMed: 23763821]