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Diagnostic Method to Screen *Taenia solium* Taeniasis Carriers

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Dear Editor,

We read the publication on “Cysticercosis/*T. solium* Taeniasis, a Potential Public Health Concern in Non-Endemic Country, Kuwait: A New Diagnostic Method to Screen *T. solium* Taeniasis Carriers among the Expatriate Population” with great interest [1]. Al-Awadhi et al. concluded that “This is the first report from Kuwait and the Middle East on detecting anti-*T. solium* taeniasis-specific IgG antibodies in the blood among high-risk expatriate population [1]”. Indeed, cysticercosis is an important infection that is sporadically detected in tropical countries. The importation of a disease to new settings is an important consideration in global public health. The attempt by

Al-Awadhi et al. is interesting and should be applauded. Nevertheless, there are some significant issues on immunological tests for screening for cysticercosis/*T. solium* taeniasis that need to be considered. Cross-reactions with other common parasitic infections are possible. Good examples of infection are well-known for immunological cross-reactivity with echinococcosis and gnathostomiasis [2]. Further workup for diagnosis is required when seropositive cases are found [3].

Disclosure Statement

The authors have no conflicts of interest to disclose.

References

- 1 Al-Awadhi M, Iqbal J, Ahmad S. Cysticercosis/*T. solium* taeniasis, a Potential Public Health Concern in Non-Endemic Country, Kuwait: A New Diagnostic Method to Screen *T. solium* Taeniasis Carriers Among the Expatriate Population. *Med Princ Pract*. 2019 Nov. <https://doi.org/10.1159/000504625>. Epub ahead of print.
- 2 Chuang C, Xing-Wang C, Jian-Zhong D, Tiao-Ying L. [Evaluation of ELISA kit for detection of serum specific IgG antibodies against *Taenia solium* in diagnosis of human cysticercosis]. *Zhongguo Xue Xi Chong Bing Fang Zhi Za Zhi*. 2017 Mar;29(2):228–30. Chinese.
- 3 Dekumyoy P, Anantaphruti MT, Nuamtanong S, Wathanakulpanich D, Waikagu J, Danis M. Neurocysticercosis: utilizing the cystic fluid antigen from *Taenia solium* metacystodes for diagnosis by IgG-ELISA. *Southeast Asian J Trop Med Public Health*. 2000;31 Suppl 1:21–5.