Toxocara Canis and Chronic Urticaria

Beuy Joob\(^1\) and Viroj Wiwanitkit\(^2\)\(^,\)\(^3\)\(^,\)\(^4\)

\(^1\)Sanitation 1 Medical Academic Center, Bangkok Thailand
\(^2\)Hainan Medical University, China
\(^3\)Faculty of Medicine, University of Nis, Serbia
\(^4\)Dr DY Patil Medical University, India

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Editor, the recent article on “Toxocara canis IgG seropositivity in patients with chronic urticaria (CU)” is very interesting.\(^1\) Burak-Selek et al. reported that “\(T.\ canis\) may trigger CU since we found 17.8\% seropositivity in 73 patients with CU and none in 109 healthy individuals.”\(^1\) In fact, \(T.\ canis\) is an uncommon parasitic infestation. In tropical countries, the patients can present with dermatological problems due to this parasite. In a recent case series report, skin problem can be seen in 43 \% of the patients.\(^2\) In animal model, the induction of eosinophilia due to this parasite can be observed.\(^3\) It is no doubt that it is presently approved that \(T.\ canis\) infection is an etiological factor of CU.\(^4\) The other possible dermatological problems due to \(T.\ canis\) infection include chronic pruritus, and miscellaneous eczema.\(^4\) Also Jeske et al. noted that “large joints lesions and augmentation in lymph nodes” were common problem seen in the patients with skin allergy as a result of \(T.\ canis\) infections.\(^5\) Since \(T.\ canis\) infection is a curable disease, the immunological evidences for this infection is suggested in the cases with unexplained CU.

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REFERENCES


Corresponding Author: Beuy Joob, PhD; Sanitation 1 Medical Academic Center, Bangkok Thailand. Tel: (+662) 4658 292, Fax: (+662) 4658 292, Email: beuyjoob@hotmail.com