TAENIA SAGINATA IN MAN AND CYSTICERCOSIS IN CATTLE AND BUFFALOES IN ASWAN GOVERNORATE, EGYPT

AHMED K. DYAB1* MOHAMMED E. MARGHANY1 RAGAA A. OTHMAN1 MAHMOUD A. AHMED OSAMA H. ABD-ELLA

Abstract:

Taeniasis is an important foodborne parasitic disease worldwide. This study determined the presence of cysticercosis in cattle and buffaloes and discussing their public health importance in Aswan Governorate, Upper Egypt. A total number of 45780 cattle, 223 buffaloes, were examined during the extended period from August 2015 till the end of July 2016. The existence of Cysticercus bovis infection among slaughtered Cattle and Buffaloes was studied at three different slaughterhouses (Aswan, Draw and Al-Sharq Al-Awsat) in Aswan Governorate. C. bovis in slaughtered cattle and buffaloes was (7.5% & 1.34%), respectively. Cattle and buffaloes infected with C. bovis it was for young and old animals, respectively (7.5% &12.12%); (0.51% & (7.14%). C. bovis in slaughtered cattle was commonly found in the tongue muscles (70.46%), Heart (2.8%), masseter muscles (0.43%) and gluteal muscles (0.29%). While for buffaloes heart (100%) was the most common site infected with C.bovis .Moreover, Viable C.bovis was (86%) in slaughtered cattle and buffaloes. Taeniasis was detected in (0.4%) of examined patients with gastroenteritis. The infection among male is (1.5%) while it not detected in females. The results confirmed that cysticercosis is endemic among cattle and buffaloes in Aswan Governorate. Meat inspection is a must.

Keywords:

Egypt, Aswan, Foodborne parasite, Cysticercosis, Taeniasis, Zoonosis

Published In: